LELAND STANFORD JUNIOR UNIVERSITY

REGISTER FOR 1925-1926

LANE

MEDICAL

LIBRARY

HISTORY OF MEDICINE
AND NATURAL SCIENCES

STANFORD UNIVERSITY BULLETIN

THIRTY-FIFTH

ANNUAL REGISTER

1925-26

"The beneficence of the Creator toward man on earth, and the possibilities of humanity, are one and the same."—LELAND STANFORD.

"A generous education is the birthright of every man and woman in America."—DAVID STARR JORDAN.

STANFORD UNIVERSITY, CALIFORNIA
PUBLISHED BY THE UNIVERSITY

Stanford University
Press

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OFFICE DIRECTORY

[The rooms in the Inner Quadrangle are numbered consecutively, beginning at the left of the main entrance, ten numbers being allotted to each building. In the Outer Quadrangle forty numbers are allotted to each of the larger buildings and ten numbers to each one-story building, beginning with the Assembly Hall (number 120). The Administration Building is on the north façade of the Outer Quadrangle. The Engineering buildings south of the Quadrangles begin with number 500. The Library is the central building in the second Quadrangle group. The Chemistry building is on the west avenue between the Quadrangles and the Museum. Anatomy and Bacteriology are in the old Museum building.]

Administration Building:

PRESIDENT, Room 165.

COMPTROLLER, Room 162.

REGISTRAR, Room 164.

DEAN OF MEN, Room 161.

DEAN OF WOMEN, Room 163*a*.

ACADEMIC SECRETARY AND ALUMNI SECRETARY, Room 174.

APPOINTMENT SECRETARY, Room 170.

DIRECTOR OF SUMMER QUARTER, Room 173.

LOWER DIVISION COMMITTEE, Room 164.

COMMITTEE ON PUBLIC HEALTH, Room 164.

CITIZENSHIP, Room 172.

The various departmental offices are given in the *Time Schedule* and in the *Directory of Officers and Students.*

The University Postoffice is *Stanford University, California.*

The University Telephone Office is *Palo Alto* (office and departmental telephones "Palo Alto 900" with local numbers added).

The University Railway Station and Telegraph and Express Offices are *Palo Alto, California.*

Requests for *University Bulletins,* blanks, and other printed matter, and inquiries regarding terms of admission, advanced standing, etc., should be addressed to THE REGISTRAR, *Stanford University, California.*

1925

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UNIVERSITY CALENDAR

1925

AUTUMN QUARTER

Sept.	30	Wednesday.....Lower Division Registration (new students).
Oct.	1	Thursday.....Registration for Autumn Quarter.
Oct.	2	Friday.....Instruction begins.
Oct.	9	Friday.....Conferring of Degrees.
Oct.	23	Friday.....Last day for changing Study Lists.
Oct.	26–31	Monday–Saturday.....Make-up Examinations.
Nov.	26–29	Thursday–Sunday.....Thanksgiving Recess.
Dec.	15–18	Tuesday–Friday.....End-Quarter Examinations.

1926

WINTER QUARTER

Jan.	4	Monday.....Registration for Winter Quarter.
Jan.	5	Tuesday.....Instruction begins.
Jan.	8	Friday.....Conferring of Degrees.
Jan.	25	Monday.....Last day for changing Study Lists
Jan.	25–30	Monday–Saturday.....Make-up Examinations.
Feb.	22	Monday.....Washington's Birthday.
Mar.	9	Tuesday.....Founders' Day.
Mar.	16–19	Tuesday–Friday.....End-Quarter Examinations.

SPRING QUARTER

Mar.	29	Monday.....Registration for Spring Quarter.
Mar.	30	Tuesday.....Instruction begins.
Apr.	2	Friday.....Conferring of Degrees.
Apr.	19	Monday.....Last day for changing Study Lists.
Apr.	19–24	Monday–Saturday.....Make-up Examinations.
June	12–16	Saturday–Wednesday....End-Quarter Examinations.
June	19	Saturday.....Alumni Day.
June	20	Sunday.....Baccalaureate Sunday.
June	21	Monday.....Commencement.

SUMMER QUARTER

June	21–26	Monday–Saturday.....College Entrance Board Examinations.
June	22	Tuesday.....Registration for Summer Quarter.
June	23	Wednesday.....Instruction begins.
July	4	Sunday.....Independence Day.
Aug.	26–28	Thursday–Saturday.....End-Quarter Examinations.

ADMINISTRATIVE OFFICERS

THE BOARD OF TRUSTEES

[The figures in parentheses indicate year of beginning of service]

Wallace McKinney Alexander, Ph.B. (1924)
215 Market St., San Francisco

Frank Bartow Anderson (1912)
California and Sansome Sts., San Francisco

Harry Chandler (1923) ..... Times Office, Los Angeles

Leland Whitman Cutler, A.B. (1920)
Insurance Exchange Bldg., San Francisco

Frank Prentiss Deering, A.M. (1916)
325 Standard Oil Bldg., San Francisco

Joseph Donohoe Grant, A.B. (1891) ..... 114 Sansome St., San Francisco

Thomas Tingey Craven Gregory, A.B. (1919)
Balfour Bldg., San Francisco

Herbert Clark Hoover, LL.D. (1912) ..... Washington, D.C.

Timothy Hopkins (1885) ..... Nevada Bank Bldg., San Francisco

Ira Shell Lillick, A.B. (1923) ..... 900 Balfour Bldg., San Francisco

Christian Otto Gerberding Miller (1923)
519 California St., San Francisco

William Mayo Newhall, B.S. (1912) .... 260 California St., San Francisco

John Thomas Nourse, A.B. (1920) ..... 2 State Bldg., San Francisco

Paul Shoup (1923) ..... Southern Pacific Bldg., San Francisco

Marcus Cauffman Sloss, A.M. (1920) ..... Mills Bldg., San Francisco

OFFICERS OF THE BOARD

President: William Mayo Newhall
Vice-President: Joseph Donohoe Grant
Secretary-Treasurer: Thomas Tingey Craven Gregory
Assistant Secretary and Assistant Treasurer: Ira Shell Lillick

STANDING COMMITTEES OF THE BOARD

Finance: Anderson, Cutler, Grant, Gregory, Hopkins, Miller, Newhall, Shoup
University: Lillick, Chandler, Deering, Hoover, Newhall, Nourse, Sloss
Library: Hopkins, Hoover, Nourse
Rules: Gregory, Nourse, Sloss
Campus: Cutler, Gregory, Hoover, Hopkins
Medical Sub-Committee: Nourse, Gregory

THE STANFORD NATIONAL BOARD

Richard Watts Barrett, A.B. ..... 383 Jayne St., Oakland
Charles Reynolds Brown, LL.D. . Yale Divinity School, New Haven, Conn.
Hugh Henry Brown, A.B. ..... 801 Foxcroft Bldg., San Francisco
John Titus Cooper, A.B. ..... Security Trust & Savings Bank, Los Angeles
Charles Maurice Cram, LL.B. ..... Tremont Bldg., Boston, Mass.
William Henry Crocker, Ph.B. .... Crocker National Bank, San Francisco
Walter F. Dillingham ..... Honolulu, T.H.
George Armand Ditz, J.D. ..... Box 415, Stockton
Milton Esberg, B.L. ..... 601 Third St., San Francisco
Charles Kellogg Field, A.B. ... 31 East Thirty-ninth St., New York, N.Y.
Forrest Starkey Fisher, A.B. ..... 630 Montgomery Drive, Portland, Ore.
Frank Putnam Flint ..... Title Insurance Bldg., Los Angeles
William Henry Begbie Fowler, A.B.
San Francisco Chronicle, San Francisco
Frank Louis Guerena, J.D. ..... State Bldg., San Francisco
Hubert Harry Hall, A.B. ..... Standard Oil Bldg., San Francisco
Walter Raleigh Hamilton, A.B. ..... 1325 S. Boston St., Tulsa, Okla.
Brodie Gilman Higley, A.B. ..... 100 Broadway, New York, N.Y.
Guy Knupp, A.B. ..... Porterville
Harold Phillipp Kuhn, M.D. ..... 1025 Rialto Bldg., Kansas City, Mo.
Edgar Augustine Luce, A.B. ..... 1744 Second St., San Diego
John Cobb Macfarland, A.B. . Merchants National Bank Bldg., Los Angeles
George Thomas Marye, LL.B. ..... 467 O'Farrell St., San Francisco
Hans Christian Nelson, J.D. ..... Eureka
Frederick William Nobs, A.B. ..... Grass Valley
Frederick Forrest Peabody ..... Santa Barbara
Henry Mauris Robinson . . First National Bank of Los Angeles, Los Angeles
Charles A. Shurtleff ..... Menlo Park
Nathaniel Gardner Symonds, A.B. 111 W. Washington Blvd., Chicago, Ill.
Charles Collins Teague ..... Santa Paula
Merle Thorpe, A.B. . . U.S. Chamber of Commerce Bldg., Washington, D.C.

EXECUTIVE OFFICERS

[Office and office hours at right; MTWThF unless otherwise specified. "Adm." before office number indicates Administration Bldg.; *"a,"* Anatomy; *"b,"* Bacteriology; *"c,"* Chemistry.]

President: Ray Lyman Wilbur.....Adm. 165, 10–12, 2–5
Comptroller: Almon Edward Roth....Adm. 162, MWF 10–12, 2–5; S 10–12
Registrar: John Pearce Mitchell.....Adm. 164, 8–12, 1–4; S 8–12
Dean of Women: Mary Yost.....Adm. 163a, 10–12; MTThF afternoons and Saturday mornings by appointment
Dean of Men: George Bliss Culver
Adm. 161a, MWF 9–12, 1:15–4; S 9–10 by appointment
Chaplain: David Charles Gardner.....Vestry, 9–12

Academic Secretary: John Ezra McDowell.....Adm. 174
Anatomy: Arthur William Meyer.....*a7*
Appointment Secretary: Elizabeth Burritt Snell.....Adm. 171
Bacteriology and Experimental Pathology: Edwin William Schultz...*b4*
Biology, School of: Ernest Gale Martin.....482
Botany: George James Peirce.....466
Business, Graduate School of: Willard Eugene Hotchkiss, *Dean*.....422
Chemistry: Robert Eckles Swain.....*c10*
Citizenship: Edgar Eugene Robinson, *Director*.....Adm. 172
Classical Literature: Augustus Taber Murray.....250
Economics: Murray Shipley Wildman.....223
Education, School of: Ellwood Patterson Cubberley, *Dean*.....51
Engineering, Civil: Charles Benjamin Wing.....278
Engineering, Electrical: Harris Joseph Ryan.....505
Engineering, Mechanical: Everett Parker Lesley.....266
Engineering, School of: Theodore Jesse Hoover, *Dean*.....551
English: William Dinsmore Briggs.....*200E*
Food Research: Alonzo Englebert Taylor.....32
Geology: Eliot Blackwelder.....340
Germanic Languages: William Alpha Cooper.....116
Graduate Study: Edward Curtis Franklin, *Dean*.....*c35*
History: Payson Jackson Treat.....236
Hoover War Library: Ralph Haswell Lutz.....215
Law School: Marion Rice Kirkwood, *Dean*.....1
Libraries, University: George Thomas Clark, *Director*.....Library
Mathematics: Rufus Lot Green.....71
Medical Adviser of Men: William Hulbert Barrow...Encina Gymnasium

Medical Adviser of Women: Clelia Duel Mosher.....Roble Gymnasium
Medicine, Department of: Thomas Addis, *Chairman*.....San Francisco
Medicine, School of: William Ophüls, *Dean*.....San Francisco
Memorial Church: David Charles Gardner, *Chaplain*.....Vestry
Military Science and Tactics: William D. Geary. Military Science Building
Mining and Metallurgy: Theodore Jesse Hoover.....551
Museum: Pedro J. Lemos, *Director*.....Museum
Obstetrics and Gynecology: Alfred Baker Spalding.....San Francisco
Pathology: William Ophüls.....San Francisco
Pharmacology: Paul John Hanzlik.....San Francisco
Philosophy: Henry Waldgrave Stuart.....93
Physical Education (Men): William Hulbert Barrow..Encina Gymnasium
Physical Education (Women): Helen Masters Bunting. Roble Gymnasium
Physics: David Locke Webster.....389
Physiology: Ernest Gale Martin.....482
Political Science: Victor J. West.....22
Psychology: Lewis Madison Terman.....399
Public Health and Preventive Medicine: Ernest Charles Dickson† San Francisco
Romanic Languages: Oliver Martin Johnston.....246
Social Sciences, School of: Murray Shipley Wildman.....223
Summer Quarter: John Armstrong Sellards, *Director*.....Adm. 173
Surgery: Stanley Stillman.....San Francisco
Zoölogy: John Otterbein Snyder.....424

† Acting.

STANDING COMMITTEES OF ACADEMIC COUNCIL

[The first-named member in each committee is Chairman, unless otherwise indicated. The term of office of members of the Executive Committee begins immediately upon election (in May); of all other standing committees, September 1.]

ADVISORY BOARD

CATHCART, FAIRCLOUGH, FISH, FRANKLIN, GREEN, MEYER, PEIRCE, SWAIN (*Chairman*), WILDMAN

ADMINISTRATIVE COMMITTEES

1. Student Affairs: SWAIN, ECKART, MORENO, OSBORNE, S. A. SMITH
2. Athletics (Men): BARROW, CANNING, MITCHELL, OWENS, E. W. SMITH
3. Athletics (Women): BUNTING, BUCKINGHAM, MCCRACKEN, MOSHER, STOLTENBERG, YOST
4. Public Exercises: ROBINSON, DIETRICH, EMERSON, MCDOWELL, SEWARD, SHEPHERD, G. H. STUART
5. Public Health: FISH, BARROW, CULVER, MOSHER, YOST
6. Scholarship: VERNIER, CULVER, FISH, E. G. MARTIN, MITCHELL, MILES, YOST
7. Vocational Guidance: STRONG, J. G. BROWN, CULVER, B. M. GREEN, KIRKWOOD, H. L. LUTZ, MCDOWELL, MITCHELL, PROCTOR, REYNOLDS, YOST
8. Lower Division: MITCHELL, C. G. ALLEN, BEACH, CANNING, CROOK, FOSTER, MILES, REYNOLDS, ROBINSON, SNYDER, STEBBINS, G. H. STUART, YOST
9. Research: FRANKLIN, BARNETT, BLACKWELDER, BRIGGS, HOOVER, R. H. LUTZ, H. L. LUTZ, MEYER, OPHÜLS, A. E. TAYLOR, TERMAN, WEBSTER, WILBUR

ACADEMIC COMMITTEES

1. Executive Committee: WILBUR, BURLINGAME, CATHCART, FAIRCLOUGH, FISH, FOSTER, R. L. GREEN, HOOVER, MCDOWELL, MEYER, MITCHELL, SWAIN, WILDMAN
2. Admission and Advanced Standing: MITCHELL, OWENS, PROCTOR, STEBBINS, YOST
3. Registration: MITCHELL, CANNING, CULVER, PARKS, THOMAS
4. Graduation: BLACKWELDER, DANFORTH, MILES, MITCHELL, REYNOLDS
5. Schedule and Examinations: KIRKWOOD, ALMACK, BEACH, DIETRICH, MITCHELL
6. Graduate Study: FRANKLIN, ALSBERG, BRIGGS, FAIRCLOUGH, MARX, MEYER, PEIRCE, RYAN, J. P. SMITH, H. W. STUART, WILDMAN
7. Library: TREAT, COOPER, J. S. DAVIS, WEBSTER, WEST
8. University Publications: W. H. DAVIS, BECKING, HOOVER, H. L. LUTZ, G. H. STUART
9. Independent Study Plan: TERMAN, GUÉRARD, E. G. MARTIN, ROBINSON, SWAIN

OFFICERS OF INSTRUCTION AND ADMINISTRATION

[Name; residence; postoffice; residence telephone in parentheses; title. Postoffice in all cases *Stanford University* except where University residence is followed by initial letter of town ("p" indicates *Palo Alto* postoffice; "Mayfield-m" *Mayfield* postoffice, etc.). Street address *Palo Alto* or *Campus* unless otherwise named. The numbers 1, 2, 3, 4 in parentheses after name of instructor indicate quarters on duty, i.e., autumn, winter, spring, summer, respectively. Brackets indicate absense on leave for the year. The dagger (†) marks the names of men who are married.]

EMERITUS LIST

ANDERSON, MELVILLE BEST — Menlo Park-mp (Menlo Park 773)
Professor of English Literature, Emeritus

A.M., Butler University, 1877; LL.D., Aberdeen, 1906; Dr.V., Padua, 1922; Litt.D., Mills, 1923. At Stanford since 1891, Emeritus since 1910.

ANGELL, FRANK — 1200 Bryant-p (PA 87)
Professor of Psychology, Emeritus

B.S., Vermont, 1878; Ph.D., Leipzig, 1891; L.H.D., Vermont, 1892. At Stanford since 1892, Emeritus since 1922.

†BARKAN, ADOLPH — 2209 Laguna, SF-sf
Professor of Structure and Diseases of Eye, Ear, and Larynx, Emeritus

M.D., University of Vienna, 1866; LL.D., University of Glasgow, 1901. At Stanford since 1909, Emeritus since 1911.

CAMPBELL, DOUGLAS HOUGHTON — County Road (PA 1036)
Professor of Botany, Emeritus

Ph.M., Michigan, 1882, Ph.D., 1886. Teacher of Biology, Detroit High School, 1882–86; Student at Bonn, Tübingen, and Berlin, 1886–88; Professor of Botany, Indiana University, 1888–91. At Stanford since 1891, Emeritus since 1925.

†COOPER, CHARLES MINER — 2550 Buchanan, SF-sf (Fillmore 1821)
Clinical Professor of Medicine, Emeritus

M.B.Ch.B., Edinburgh, 1897. At Stanford since 1918, Emeritus since 1922.

†DURAND, WILLIAM FREDERICK — 11 Cabrillo (PA 1582)
Professor of Mechanical Engineering, Emeritus

Graduate U.S. Naval Academy, 1880; Ph.D., Lafayette, 1888; LL.D., California, 1924. At Stanford since 1904, Emeritus since 1924.

†ELLIOTT, ORRIN LESLIE — 5 Cabrillo (PA 1045)
Registrar, Emeritus

Ph.B., Cornell, 1885, Ph.D., 1890. Fellow in History and Political Science, Cornell University, 1885–86, Instructor in English, 1886–91, Assistant Registrar and President's Secretary, 1890–91. At Stanford since 1891, Emeritus since 1925.

GILBERT, CHARLES HENRY — 21 Salvatierra
Professor of Zoölogy, Emeritus

B.S., Butler University, 1879; M.S., Indiana, 1882, Ph.D., 1883. Assistant in Natural Sciences and Modern Languages, Indiana University, 1880–84; Professor of Natural History, University of Cincinnati, 1884–89; Professor of Zoölogy, Indiana University, 1889–91; Assistant to the U.S. Bureau of Fisheries since 1880; Assistant, in charge of scientific explorations of the U.S.S. "Albatross," 1889, 1890, 1902, 1904, 1906; in charge of salmon investigations for British Columbia since 1912. At Stanford since 1891, Emeritus since 1925.

GRIFFIN, JAMES OWEN — 14 Alvarado (PA 1054)
Professor of German, Emeritus

Graduate Pennsylvania State Normal School, 1873. At Stanford since 1891, Emeritus since 1917.

†HOSKINS, LEANDER MILLER — 1240 Waverley-p (PA 75)
Professor of Applied Mathematics, Emeritus

B.C.E., and B.S., Wisconsin, 1883, M.S., 1885, C.E., 1887. Instructor in Engineering, University of Wisconsin, 1885–89, Assistant Professor of Mechanics, 1889–91, Professor of Theoretical and Applied Mechanics, 1891–92. At Stanford since 1892, Emeritus since 1925.

†JENKINS, OLIVER PEEBLES — 3 Lasuen (PA 1151M)
Professor of Physiology and Histology, Emeritus

A.B., Moore's Hill College, 1869, A.M., 1872; M.S., Indiana, 1886, Ph.D., 1889; LL.D., Moore's Hill College, 1916. At Stanford since 1891, Emeritus since 1916.

†JORDAN, DAVID STARR — Serra House (PA 1001)
Chancellor, Emeritus

M.S., Cornell, 1872; M.D., Indiana Medical College, 1875; Ph.D., Butler College, 1878; LL.D., Cornell, 1886, Johns Hopkins, 1902, Illinois College, 1903, Indiana, 1909, California, 1915, Western Reserve, 1915. President of the University, 1891–1913, Chancellor, 1913–16, Emeritus since 1916.

MARTIN, LILLIEN JANE — 821–822 Shreve Bldg., SF-sf (Sutter 3489)
Professor of Psychology, Emeritus

A.B., Vassar, 1880; M.L.A., and honorary Ph.D., Bonn, 1913. At Stanford since 1899, Emeritus since 1916.

†MARX, CHARLES DAVID — 357 Kingsley (PA 255)
Professor of Civil Engineering, Emeritus

B.C.E., Cornell, 1878; C.E., Karlsruhe Polytechnicum, 1881; LL.D., California, 1918. At Stanford since 1891, Emeritus since 1923.

†PRICE, GEORGE CLINTON — 5 Alvarado (PA 1053)
Professor of Zoölogy, Emeritus

B.S., De Pauw, 1890; Ph.D., Stanford, 1897. Student in Biology, Johns Hopkins University, 1890–92; University of Munich, 1895–96. At Stanford since 1892, Emeritus since 1925.

†RIGDON, RUFUS LEE — 1617 Broderick, SF-sf (Fillmore 2285)
Clinical Professor of Genito-Urinary Surgery, Emeritus, and Consultant in Urology to Lane Hospital

M.D., Cooper Medical College, 1887. Assistant and Instructor in Genito-Urinary Clinic, Cooper Medical College, 1888–98, Associate Professor of Genito-Urinary Surgery and Chief of Genito-Urinary Clinic, 1898–1908, Professor of Genito-Urinary Surgery, 1908–12. At Stanford since 1912, Emeritus since 1925.

†SANFORD, FERNANDO — 450 Kingsley-p (PA 646)
Professor of Physics, Emeritus

B.S., Carthage College, 1879, M.S., 1882. At Stanford since 1891, Emeritus since 1919.

†WILLIS, BAILEY — 5 Lasuen (PA 1118)
Professor of Geology, Emeritus

E.M., Columbia School of Mines, 1878, C.E., 1879; Hon. Ph.D., University of Berlin, 1910. At Stanford since 1915, Emeritus since 1922.

ACTIVE LIST

†Abbot, Waldo (4) 24 Alvarado (PA 1144)
Acting Instructor in Journalism (Summer Quarter)

A.B., Michigan, 1911, LL.B., 1913. Instructor in Rhetoric and Journalism, University of Michigan, 1919–25.

†Abrams, LeRoy (13) 19 Cabrillo (PA 1125)
Professor of Botany

A.B., Stanford, 1899, A.M., 1902; Ph.D., Columbia, 1910. Acting Professor of Botany, University of Idaho, 1899–1900; Assistant in Botany, Stanford University, 1900–1902, Instructor, 1902–4; Fellow in Botany, Columbia University, 1904–5; Assistant Curator, Division of Plants, United States National Museum, 1905–6; Lecturer in Botany, University of California, first semester, 1915–16; Field Assistant, U.S. Department of Agriculture, summer, 1918. At Stanford 1900–1904, and since 1906.

†Adams, Ephraim Douglass (123) 7 Cabrillo (PA 1058)
Professor of History

A.B., Michigan, 1887, Ph.D., 1890; LL.D., Grinnell, 1917; Litt.D., Tufts, 1918. Principal of High School, McGregor (Ia.), 1887; Principal of High School, Saginaw (Mich.), 1889; Special Agent in Charge of Street Railways, Eleventh Census, Washington (D.C.), 1890; Assistant Professor and afterward Professor of European History, University of Kansas, 1891–1902. At Stanford since 1902.

†Addis, Thomas (1234) 201 San Carlos, Sausalito-s (Sausalito 350)
Professor of Medicine

M.B.Ch.B., Edinburgh, 1905; M.D., and M.R.C.P., 1908. Clinical Assistant, Medical Out-Patient Department, Royal Infirmary of Edinburgh, 1908, 1911; Medical Registrar, Leith Hospital, 1911; Carnegie Research Scholar and Fellow, 1908–11; Director of the Clinical Laboratory, Lane Hospital, since 1911; Captain, M.C., U.S.A., June 1918, to July 28, 1919. At Stanford since 1911.

†Aigler, Ralph William (4) Kingscote (PA 860J)
Acting Professor of Law (Summer Quarter)

LL.B., University of Michigan, 1907. Engaged in practice in Chicago, 1907–8; Instructor in Law, University of Michigan, 1909–10, Assistant Professor, 1910–12, Professor, since 1912; Acting Professor of Law, Stanford, Summer Quarter, 1922, Columbia, Summer Sessions, 1923 and 1924, Cornell, Summer, 1925.

†Alderson, Harry Everett (1234) 2649 Green, SF-sf (Fillmore 4548)
Clinical Professor of Medicine (Dermatology)

M.D., California, 1900. Graduate Study, Vanderbilt Clinic, New York, 1906, Johns Hopkins, 1907, Berlin, Paris, and London, 1912; Assistant in Skin Diseases, Medical Department of University of California, 1906–12; Professor of Art Anatomy, California School of Design, 1906–12; Chief of Dermatological Clinic, San Francisco Fruit and Flower Mission. At Stanford since 1912.

Allardice, Robert Edgar (123) County Road (PA 1036)
Professor of Mathematics

A.M., Edinburgh, 1882. Baxter Scholar in Mathematics, University of Edinburgh, 1882–83, Drummond Scholar in Mathematics, 1883–84; Assistant Professor of Mathematics, University of Edinburgh, 1883–92. At Stanford since 1892.

†Allen, Clifford Gilmore (123) 25 Alvarado (PA 1923W)
Professor of Romanic Languages

A.B., Boston, 1900; A.M., Stanford, 1903; Docteur de l'Université de Paris, 1916. Student, University of Paris, 1903–4; Fellow of Boston University and Student at Universities of Paris and Madrid, 1904–5. At Stanford since 1901.

†ALLEN, WARREN D. (123) 31 Alvarado (PA 865)
Organist

Associate, American Guild of Organists; Pupil of Rudolph Ganz and Alex von Fielitz, Berlin, 1909–10; studied organ with C. M. Widor, Paris, 1911; member of Busoni Class, Basel, Switzerland, September 1910; Dean of Conservatory of Music, College of the Pacific, 1913–19. At Stanford since 1918.

†ALMACK, JOHN CONRAD (1234) 33 Alvarado (PA 1170J)
Associate Professor of Education

A.B., Oregon, 1918, A.M., 1920; Ph.D., Stanford, 1923. Principal and Superintendent of Schools, Rockford (Wash.), 1905–15, Mayor, 1909–12; Editor, Colfax (Wash.), 1915–16; Superintendent of Schools, Coquille (Ore.), 1916–17; Assistant in Education, University of Oregon, 1917–18, Professor of Education and Director of Extension Education, 1918–21; Teaching Fellow, Stanford University, 1921–22. At Stanford since 1922.

ALMOND, NINA (1234) 2 Lasuen (PA 1203)
Librarian, Hoover War Library

At Stanford since 1916.

†ALSBERG, CARL LUCAS (1234) 10 Mirada (PA 2269J)
Director, Food Research Institute

A.B., Columbia, 1896, A.M., 1900, M.D. (College of Physicians and Surgeons), 1900. Student, Universities of Strassburg and Berlin, 1900–1903; Assistant in Physiological Chemistry, Harvard University, 1902–5, Instructor in Biological Chemistry, 1905–8; Chemical Biologist, Bureau of Plant Industry, United States Department of Agriculture, 1908–12; Chief, Bureau of Chemistry, 1912–21. At Stanford since 1921.

†ANDERSON, FREDERICK (123) Cedro Cottage (PA 1416J)
Assistant Professor of Romanic Languages

A.B., Stanford, 1911; A.M., Harvard, 1912; Ph.D., Yale, 1915. Instructor in French and Spanish, Reed College, 1912–13, Sheffield Scientific School, 1913–14, Yale University, 1914–15; Fellow in Yale University, 1914–15. At Stanford since 1920.

†ANDERSON, HENRY STOW (123) 460 Yale, Mayfield-m PA 1736J)
Instructor in Citizenship and Economics

A.B., Stanford, 1922, A.M., 1923, Ph.D., 1925. Lecturer in Problems of Citizenship, San Francisco State Teachers' College, 1924. At Stanford since 1923.

†ASHLEY, REA ERNEST (123) 16 Fifth Ave., SF-sf (Bayview 5905)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

B.S., University of Illinois, 1917, M.D., 1919. Assistant, Department of Bacteriology and Pathology, University of Illinois, 1917–19; Assistant Resident Physician, Stanford University Hospital, 1919–20, Resident, Ear, Nose, and Throat, 1920–22. At Stanford since 1921.

ATWOOD, FRANK J. (123) 6 Stanford Union (PA 2900)
Assistant Professor of Military Science and Tactics (Ordnance)

A.B., State College of Washington, 1914; B.S., University of Michigan, 1915. Student, Massachusetts Institute of Technology, 1921–23; Captain, Ordnance Department, U.S. Army. At Stanford since 1925.

†AYER, FRED CARLETON (4) 181 Lytton (PA 1988J)
Acting Professor of Education (Summer Quarter)

B.S., Upper Iowa, 1902; M.S., Georgetown, 1905; Ph.D., Chicago, 1915. Instructor, High School, Marion (Iowa), 1902; Instructor, Springfield (S.D.) Normal School, 1903; Professor of Biology, and Director of Athletics, Tempe (Ariz.) State Normal, 1905–10; Fellow, University of Chicago, 1911; Professor of Education, University of Oregon, 1912–17; Visiting Professor, University of Iowa, Second Semester, 1917; University of California, Southern Branch, Summer, 1918; University of Ohio, Summer, 1925; Professor of Education, University of Washington, since 1917; Part-time Director, Department of Research, Seattle (Wash.) Public Schools, since 1922.

†Bacher, John Adolph (1234) 157 Twenty-fifth Ave., SF-sf (Evergreen 4684)
Associate Clinical Professor of Surgery (Otology, Rhinology, Laryngology)
A.B., Stanford, 1899; M.D., Harvard, 1911. At Stanford since 1917.

Bailey, Margery (123) 723 Hamilton (PA 2363J)
Instructor in English
A.B., Stanford, 1914, A.M., 1916; Ph.D., Yale, 1922. Fellow in English, Yale University, 1921–22. At Stanford since 1914.

†Baldwin, Samuel A. (4) 357 Kingsley (PA 255)
Acting Organist (Summer Quarter)

†Barkan, Hans (123) 3653 Jackson, SF-sf (Pacific 8817)
Assistant Clinical Professor of Surgery (Ophthalmology)
A.B., Stanford, 1905; M.D., Harvard Medical School, 1910. Assistant in Pathology, Harvard Medical School, 1910–11, Instructor, 1911–12; Pathologist to the Long Island Hospital and Boston City Almshouse, 1911–12; Voluntary Assistant, Second Eye Clinic, Vienna, 1912–14. Lieutenant, U.S.N. R.F., July to December, 1917; Captain, M.R.C., U.S.A., November 4, 1918, to June 30, 1919. At Stanford since 1914.

†Barkan, Otto (123) 2058 Vallejo, SF-sf (Fillmore 3353)
Clinical Instructor in Surgery (Ophthalmology)
A.B., Trinity College, Oxford, 1909; M.D., Munich, 1914; M.R.C.S., London, 1915. House Physician, St. Mary's Hospital, London, 1914–15; Eye Clinics, Vienna and Munich, 1915–19; Eye Clinic, Vienna, 1920. At Stanford since 1921.

†Barnett, George de Forest (123) 15 Mirada (PA 899)
Associate Professor of Medicine
A.B., Stanford, 1906, A.M., 1909, M.D., 1913. Instructor in Chemistry, Stanford University, 1909–10; Student, Johns Hopkins Medical School, 1910–12; Senior House Officer, Lane Hospital, 1914–15; Lieutenant, M.C., U.S.N. R.F., 1917–19. At Stanford since 1915.

†Barrow, William Hulbert (123) 17 Salvatierra (PA 883)
Professor of Physical Education, Medical Adviser of Men, Director of Encina Gymnasium
A.B., Harvard, 1908, M.D., 1916. House Officer, Medical Service, Peter Bent Brigham Hospital, Boston, 1916–17; First Lieutenant and Captain, M.C., U.S.A., 1917–21; A.E.F., 1917–19; Medical Supervisor and Athletic Adviser, Middlesex School, Concord (Mass.), 1921–22. At Stanford since 1922.

†Bassett, Lee Emerson (123) 9 Cabrillo (PA 2098)
Professor of English (Public Speaking)
A.B., Stanford, 1901. Graduate, Cumnock School of Oratory, Los Angeles, 1898; Instructor in Public Speaking, University of Southern California, 1898–99; Student, School of Expression, Boston, 1901; Acting Associate Professor of Public Speaking, University of Washington, 1912–13; Professor of Public Speaking, University of Colorado, Summer Session, 1919, 1923, University of California, Intersession, 1922. At Stanford since 1900.

[†Baumberger, James Percy 328 Churchill (PA 442J)
Assistant Professor of Physiology]
B.S., California, 1914; M.S., Harvard, 1916, D.Sc., 1918. Student, Yale Army Laboratory School, 1918; Assistant in Zoölogy, Harvard University, 1914–18, Assistant in Botany, 1918, Austin Teaching Fellow in Zoölogy, 1917–18, Teaching Fellow in Physiology, 1922; Assistant in Physiology, Radcliffe College, 1917, Assistant in Entomology, 1918; Instructor in Natural Sciences, Lowthorpe Horticulture School, 1915–18; Traumatic Shock Laboratory, A.E.F., 1918–19. At Stanford since 1919.

†Beach, Walter Greenwood (123) 5 Salvatierra (PA 1052R)
Professor of Social Science

A.B., Marietta, 1888; A.B., Harvard, 1891, A.M., 1892. Professor of Philosophy and History, Marietta College for Women, 1893–97; Student, Stanford University, 1897–98; Assistant Professor and afterward Professor and Head of Department of Economic Science and History, State College of Washington, 1898–1910; Professor of Social Science, University of Washington, 1910–17; Dean of College of Sciences and Arts, and Professor of Social Science, State College of Washington, 1917–20; Lecturer in Economics, University of California, Summer Session, 1920. At Stanford since 1920.

†Becking, Laurence B. (123) 25 Mirada (PA 2378)
Professor of Economic Biology

A.B., Utrecht, 1917, M.S., 1919, D.Sc., 1921; Ph.D., Stanford, 1921. At Stanford since 1920.

Bergstrom, Francis William (234) 25 Salvatierra (PA 1042W)
Instructor in Chemistry

A.B., Stanford, 1918, Engineer, 1919, Ph.D., 1922. National Research Fellow in Chemistry at Clark and Brown Universities, 1922–25. At Stanford since 1925.

†Beswick, John C. (4) Stanford University
Lecturer in Education (Summer Quarter)

Student, University of Wisconsin, 1902, Teachers College, Columbia, 1904; Supervisor of Industrial Education, Marinetti (Wis.), 1904–7; Supervisor of Industrial Education, Billings (Mont.), 1908–10; Teacher, Industrial Department, Manual Arts High School, Los Angeles, 1910–16, Head of Department, 1916–18; Director, Vocational War Work, California, 1918–19; State Supervisor of Trade and Industrial Instruction, California, since 1919.

†Bingham, Joseph Walter (1234) 653 Melville (PA 1585W)
Professor of Law

A.B., Chicago, 1902, J.D., 1904. In practice of law, Chicago, 1904–5; Acting Assistant Professor of Law, Cornell University, 1905–7; Professor of Law, University of Chicago, Summer Quarter, 1916. At Stanford since 1907.

†Binkley, Robert Cedric (1234) 927 Webster (PA 2846R)
Reference Librarian, Hoover War Library

A.B., Stanford, 1922, A.M., 1924. At Stanford since 1924.

†Blackwelder, Eliot (123) Escondite Cottage (PA 895R)
Professor of Geology

A.B., Chicago, 1901, Ph.D., 1914. Fellow and Assistant in Geology, University of Chicago, 1902–3; Paleontologist, Carnegie Institution Expedition to China, 1903–4; Instructor and afterward Professor of Geology, University of Wisconsin, 1905–16; Professor and Head of Department of Geology, University of Illinois, 1916–19; Lecturer in Geology, University of Chicago, 1907, 1916, Stanford University, 1919, Harvard University, 1921–22; Geologist, U.S. Geological Survey, 1902, 1906–18; Chief Geologist, Argus Oil Company, 1919–21; Manager, Teton Syndicate, 1921–22. At Stanford since 1922.

†Blair, James Stuart (123) 201 Cowper
Instructor in Chemistry

A.B., Kansas, 1919, A.M., 1920; Ph.D., Stanford, 1924. Research Chemist, Fixed Nitrogen Research Laboratory, Washington, D.C., 1920–23; Instructor in Chemistry, Oregon Agricultural College, 1924–25. At Stanford since 1925.

†Blair, John Edward (1234) 1770 Emerson (PA 469)
Instructor in Bacteriology

A.B., Clark, 1920; M.S., Brown, 1921, Ph.D., 1923. Graduate Assistant in Biology, Brown University, 1920–21, Instructor, 1921–22, Arnold Fellow in Biology, 1922–23. At Stanford since 1923.

†Blaisdell, Frank Ellsworth (1234) 1520 Lake, SF-sf (Pacific 3482)
Professor of Surgery

M.D., Cooper Medical College, 1889. Demonstrator of Anatomy, Cooper Medical College, 1903, Instructor in Biology and Embryology, 1900–1909, in Histology, 1907–1909, Assistant Professor of Anatomy, 1904–1905, Associate Professor, 1907–12; Instructor in Regional Anatomy, Training School for Medical Officers of the U.S. Army, March to December 1918. At Stanford since 1910.

Blewett, Frances (4) 34 Salvatierra (PA 1042J)
Secretary, Citizenship

A.B., Stanford, 1921.

Blichfeldt, Hans Frederik (1234) College Terrace (PA 435)
Professor of Mathematics

A.B., Stanford, 1896; Ph.D., Leipzig, 1898. At Stanford since 1898.

†Boardman, Walter Whitney (123) 37 Walnut, SF-sf (Fillmore 2506)
Associate Clinical Professor of Medicine

M.D., Cooper Medical College, 1909. Assistant in Phipps Dispensary, Johns Hopkins Hospital, 1910, Assistant in Actinography and Externe in Gynecology, 1911; Lieutenant, U.S.N. R.F., July 1917 to December 1918. At Stanford since 1912.

†Bodansky, Meyer (124) 235 Ramona (PA 2634W)
Acting Assistant Professor of Biochemistry

A.B., Cornell, 1918; A.M., Texas, 1922; Ph.D., Cornell, 1923. Instructor in Biochemistry, University of Texas School of Medicine, 1919–23, Adjunct Professor, 1923–25, Associate Professor, 1925.

†Boezinger, Bruno (234) Menlo Heights (PA 798W)
Associate Professor of German

A.B., Fort Worth University, 1894, A.M., 1895; Ph.D., Stanford, 1910. Instructor in German, North Texas Normal School, 1895–98; Principal, German Department, San Antonio (Tex.) High School, 1899–1906; Instructor in German, Summer School, University of Texas, 1896. At Stanford since 1906.

†Boren, Frank Henry (4) 520 Cowper-p
Acting Assistant Professor of Education (Summer Quarter)

A.B., Stanford, 1902. Head of Mathematics Department, Oakland High School, 1909–10; Associate Head Master, Harvard School, Los Angeles, 1910–13; District Superintendent of Schools, Lindsay (Calif.), 1913–19; Principal, University High School, Oakland, since 1919; Lecturer in School Law, Extension Division, University of California, since 1922.

Brand, Carl Fremont (124) 220 Stanford Union (PA 2900)
Assistant Professor of History

A.B., Indiana, 1915, A.M., 1916; A.M., Harvard, 1918, Ph.D., 1923. Teacher of History, Hammond (Ind.) High School, 1916–17; University Scholar, Harvard University, 1917–18, Austin Teaching Fellow, 1918–19; Instructor in History, Smith College, 1919–20; Parker Traveling Fellow, Harvard University, 1920–21; Instructor in History, University of Michigan, 1921–24. At Stanford since 1924.

Brand, Elizabeth Morgan (1234) Kingscote (PA 1270J)
Secretary to Dr. Taylor, Food Research Institute

At Stanford since 1920.

†Brandsten, Ernst M. (123) Searsville Lake Park
Associate Director of Encina Gymnasium

Teacher of Swimming, Municipal Baths, Stockholm, Sweden, 1905; Swimming Coach, Neptune Swimming Club, Stockholm, 1906, University of California, 1911, 1913–15. At Stanford since 1915.

BRANDSTEN, GRETA (MRS.) (123) Searsville Lake Park
Instructor in Physical Education
At Stanford since 1916.

†BRIGGS, WILLIAM DINSMORE (34) County Road (PA 2918)
Professor of English
A.B., Stanford, 1896; A.M., Harvard, 1899, Ph.D., 1900. Student, Johns Hopkins University, 1896–97; Instructor in English and German, University of Vermont, 1900–1901; Instructor in English, Western Reserve University, 1901–6. At Stanford since 1906.

BROWN, ADELAIDE (123) 45 Sixteenth Ave., SF-sf (Pacific 999)
Lecturer in Medicine (Child Hygiene)
A.B., Smith, 1888; M.D., Cooper Medical College, 1892. Interne, New England Hospital, Boston (Mass.), 1893; Student, Berlin, Leipzig, Dresden, Vienna, 1894; Student, Johns Hopkins, 1898; Children's Hospital, 1899–1915; Member State Board of Health, 1915. At Stanford since 1920.

†BROWN, BUFORD O. (123) 33 Salvatierra (PA 2485)
Associate Professor of Journalism
A.B., Missouri, 1908, B.J., 1912. Bursar, Polytechnic College (Tex.), 1909–11; Instructor in Journalism, University of Texas, 1914–17; Special Lecturer, Texas Agricultural and Mechanical College, Summer Sessions, 1922, 1923; Editor *Plainview* (Tex.) *Evening Herald,* 1912–14, *Vernon* (Tex.) *Record,* 1918–22; Staff Correspondent, *Wichita Falls* (Tex.) *Times,* 1922. At Stanford since 1923.

†BROWN, HAROLD CHAPMAN (124) 568 Santa Ynez-p (PA 1006)
Associate Professor of Philosophy
A.B., Williams, 1901; A.M., Harvard, 1903, Ph.D., 1905. Student, University of Berlin, 1903–4; Assistant in Philosophy, Harvard University, 1904–6; Instructor in Philosophy, Columbia University, 1906–14. At Stanford since 1914.

BROWN, JOSEPH GRANT (123) 1013 Ramona-p (PA 461M)
Associate Professor of Physics
A.B., Stanford, 1901, A.M., 1903. Graduate, Illinois State Normal University, 1894, Instructor in Physics and Chemistry, 1894–98. At Stanford since 1900.

BUCKINGHAM, ELISABETH LEE (4) 4 Lasuen (PA 1203)
Assistant Professor of English (Public Speaking)
A.B., Stanford, 1910, A.M., 1914. Student, Columbia College of Expression, Summer, 1913; Teacher of Public Speaking, State Normal School, San Jose, 1914; Student, Columbia University, 1917–18, and Summer Sessions, 1916, 1919. At Stanford since 1911.

BULLOCK, CHARLES JESSE (4) Kingscote
Acting Professor of Economics (Summer Quarter)
A.B., Boston University, 1889; Ph.D., University of Wisconsin, 1895; LL.D., Williams College, 1922. Instructor in Economics, Cornell University, 1895–99; Professor of Economics, Williams College, 1899–1903; Assistant Professor and Professor of Economics, Harvard University, since 1903. Chairman, Harvard University Committee on Economic Research, since 1917.

BUNTING, HELEN MASTERS (123) San Juan Hill (PA 1161W)
Assistant Professor of Physical Education, and Director of Roble Gymnasium
A.B., Stanford, 1924. Graduate, Department of Hygiene, Wellesley College, 1912; Instructor in Physical Education, Centenary Collegiate Institute, Hackettstown (N.J.), 1912–14; Director, Physical Education for Women, University of Colorado, 1914–19. At Stanford since 1919.

†BURDICK, WILLIAM LEROY (124) 1601 California (PA 2278J)
Instructor in Chemistry

A.B., Kansas, 1909; A.M., Yale, 1912; Ph.D., Stanford, 1923. Assistant in Chemistry, Yale University, 1912; Instructor in Chemistry, Oahu College, Honolulu, 1913; Principal of High School, Essex (Conn.), 1913–20; University Fellow in Chemistry, Stanford University, 1921–23. At Stanford since 1923.

†BURLINGAME, LEONAS LANCELOT (123) 24 Alvarado (PA 1144)
Professor of Biology

Ph.B., Ohio Northern University, 1901; A.B., Chicago, 1906, Ph.D., 1908. Instructor in Biology, Ohio Northern University, 1901–4; Fellow in Botany, University of Chicago, 1906, Assistant, 1906–8. At Stanford since 1908.

†BURROWS, JOHN ROBERT (123) 2406 Clay, SF-sf (Fillmore 2833)
Assistant Clinical Professor of Surgery (Anesthesia)

M.D., Cooper Medical College, 1906. Assistant in Ophthalmology, Cooper Medical College, 1909; Assistant Anesthetist, Lane Hospital, since 1910. At Stanford 1912–19, and since 1921.

BUSCHE, MARGARET (4) 2340 Clay, SF-sf (West 6193)
Instructor in Theory of Nursing

B.S., Cincinnati, 1922. Graduate, School of Nursing and Health, University of Cincinnati, 1921, Assistant Instructor, 1921–23; Instructor, Cincinnati and Hamilton County Chapter, American Red Cross, 1923–24; Instructor, School of Nursing, The Tennessee Coal, Iron, and R.R. Co., Fairfield (Ala.), 1924–25.

†BUTLER, EDMUND (123) 2539 Vallejo, SF-sf (Fillmore 1985)
Assistant Clinical Professor of Surgery

M.D., Cooper Medical College, 1911; Senior Interne, Resident in Surgery, Lane Hospital, 1912–14; Surgeon, S.F. Emergency Hospital, 1914–19; Lieutenant, U.S.N. R.F., December 1917 to March 1919; Chief Surgeon, San Francisco Emergency Service, 1919. At Stanford since 1920.

CALVIN, RUTH ANDERSON (MRS.) (1234) 519 Addison (PA 132R)
Instructor in Physical Education

A.B., Reed, 1919; A.M., Wellesley, 1925. Graduate Student, Department of Hygiene, Wellesley College, 1919–20, 1923–24. Director of Physical Education for Girls, Stadium High School, Tacoma (Wash.), 1920–23. At Stanford since 1924.

†CANNING, JOHN BENNET (123) University Park (PA 724W)
Associate Professor of Economics

Ph.B., Chicago, 1913. Graduate Scholar in Political Economy, University of Chicago, 1913–14, Assistant, 1914–15, Instructor, 1915–17; Assistant Professor of Political Economy, University of Chicago, Summer Quarter, 1924. At Stanford since 1919.

†CARRÉ, JEAN-MARIE (4) 29 Salvatierra (PA 1042)
Acting Professor of Romanic Languages (Summer Quarter)

Lic. ès. L., Paris, 1906; D. ès. L., Strassburg, 1920. Lecteur, University of Halle, 1908; Agrégé de l'Université, Paris, 1909; Professor of French Literature, French Institute, London, 1910–11; Member of the "Fondation Thiers," Paris, 1912–14; Assistant Professor, University of Lyons, 1920; Visiting Professor of French Literature and Civilization, Columbia University, 1922–23; Professor of Comparative Literature, University of Lyons, since 1925.

†CARROLL, JOSEPH SNYDER (123) 601 Channing-p (PA 3392W)
Instructor in Electrical Engineering

B.S., Utah, 1920; Engineer, Stanford, 1924. At Stanford since 1924.

†CATHCART, ARTHUR MARTIN (123) 1215 Emerson (PA 197)
Professor of Law

A.B., Stanford, 1896. Student, Harvard University, 1896–97; Attorney at Law, Colorado Springs (Colo.), 1903 4; Lecturer in Law, University of California,

Summer Session, 1908; Professor of Law, University of Chicago, Summer Quarter, 1911. At Stanford since 1904.

†CATTON, JOSEPH HENRY (123) 2172 Pacific, SF-sf (Fillmore 94)
Clinical Instructor in Medicine (Neurology)

B.S., California, 1911; M.D., California, 1913. Voluntary Assistant in Medicine, University of California, 1914–16, Assistant in Medicine, 1916; Chief of Medical Clinic, San Francisco Polyclinic, 1917–19; Assistant Visiting Physician, San Francisco Hospital, 1914–17, Visiting Physician, 1917; Major, M.C., U.S.A.; Consultant, Neuropsychiatry, U.S. Veterans' Bureau; Consultant, U.S. Employees' Compensation Commission. At Stanford since 1919.

†CHAMBERLAIN, WILLIAM EDWARD (1234) 11 San Leandro Way, SF-sf (Sunset 130)
Associate Professor of Medicine (Radiology), and Director of the Department of Radiology

B.S., California, 1913, M.D., 1916. Assistant in Roentgenology, University of California Medical School, 1916–17; Visiting Roentgenologist to the French Hospital, San Francisco, 1917; Roentgenologist of U.S. Base Hospital No. 2, 1917–18; Instructor in Roentgenology, University of California Medical School, 1919–20; Roentgenologist in Charge, Children's, Hahnemann, and St. Mary's Hospitals, San Francisco, 1919–20. At Stanford since 1920.

†CHANDLER, LOREN ROSCOE (123) 10 Funston, SF-sf (Bayview 1105)
Clinical Instructor in Surgery

A.B., Stanford, 1920, M.D., 1923. Senior Interne in Surgery, Lane Hospital, 1923–24; Diplomate, National Board of Medical Examiners, 1923; Resident Surgeon, Lane Hospital, 1924–25.

†CHENEY, WILLIAM FITCH (1234) 33 Spruce, SF-sf (Bayview 7720)
Clinical Professor of Medicine

B.L., California, 1885; M.D., Cooper Medical College, 1889. Professor of Principles and Practice of Medicine, Cooper Medical College, 1898–1912. At Stanford since 1909.

†VON CHRISTIERSON, SIGURD (123) 25 San Pablo, SF-sf (Sunset 8970)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1917, M.D., 1922. Aurist, Southern Pacific Hospital. At Stanford since 1922.

†CLARK, ARTHUR BRIDGMAN (134) 4 Cabrillo (PA 1023)
Professor of Education (Graphic Art)

B.Ar., Syracuse, 1888, M.Ar., 1891. Director of Trade Schools and Instructor in Drawing, New York State Reformatory, Elmira (N.Y.), 1888–89; Instructor in Architecture, Syracuse University, 1889–92; Student in Painting, New York School of Art and Académie Carmen, Paris, 1898–99; Instructor in Pottery, California School of Arts and Crafts, Berkeley, Summer Session, 1913, 1914; Director, San Francisco Art Association, 1917; Lecturer, California School of Fine Arts, 1919–20. At Stanford since 1892.

CLARK, GEORGE THOMAS (1234) 1729 Emerson (PA 1973)
Director of University Libraries

B.S., California, 1886. Assistant Librarian, University of California, 1886–87; Deputy State Librarian, California State Library, 1887–90, Classifier, 1890–94; Librarian, San Francisco Public Library, 1894–1907. At Stanford since 1907.

†CLARK, WILLIAM REDWOOD PRICE (123) 2710 Green, SF-sf (West 1827)
Clinical Professor of Medicine (Tuberculosis)

M.D., Cooper Medical College, 1899. Assistant Visiting Physician, City and County Hospital, San Francisco, 1901–4; Instructor in Medicine, Cooper Medical College, 1905–11; Visiting Physician, Clinic of the San Francisco Association for the Study and Prevention of Tuberculosis, 1909–12; Visiting Physician, City and County Tuberculosis Hospital, San Francisco, 1911–12; Major, M.C., U.S.A., November 1917 to January 1919. At Stanford since 1911.

CLIFFORD, CONNELL (2) 1001 Ramona-Box 222, p
Instructor in Economics
A.B., Stanford, 1920. At Stanford since 1922.

[†COESTER, ALFRED 435 Homer (PA 340J)
Associate Professor of Romanic Languages]
A.B., Harvard, 1896, A.M., 1906, Ph.D., 1906. Student, University of Seville, Spain, 1901–2, University of Berlin, 1894–95, Sorbonne, 1895; Secretary-Treasurer, American Association of Teachers of Spanish, since 1917; Associate editor *Hispania;* Caballero de la real orden de Isabel la Católica; Member, Hispanic Society of America; Corresponding member, Real Academia Hispano-Americana de Ciencias y Artes, Cadiz; Corresponding member, Junta de Historia y Numismática Americana, Buenos Aires. At Stanford, Summer Quarter, 1919, and since 1920.

COOPER, ALICE CECILIA (4) Kingscote
Lecturer in English (Summer Quarter)
A.B., Stanford, 1907, A.M., 1908.

†COOPER, WILLIAM ALPHA (124) 35 Salvatierra (PA 593)
Professor of German
A.B., Marietta, 1892, A.M., 1897, Litt.D., 1917. Student, Universities of Bonn, Leipzig, and Paris, 1892–94; Instructor in German and French, Marietta College, 1895–99, Professor, 1899–1901. At Stanford since 1901.

†COOVER, JOHN EDGAR (123) 11 Salvatierra (PA 933)
Fellow in Psychic Research, and Associate Professor of Psychology
A.B., Stanford, 1904, A.M., 1905, Ph.D., 1912. Principal, Como (Colo.) Schools, 1898–99; Principal, Sonora (Calif.) High School, 1905–7, Dixon High School, 1907–10; Assistant in Psychology, Stanford University, 1910–12; Captain, Sanitary Corps, U.S.A., Psychological Division, Medical Research Laboratory (Military Aeronautics), 1918–19. At Stanford since 1910.

CORWIN, EDWARD SAMUEL (4) Kingscote
Acting Professor of Political Science (Summer Quarter)
Ph.B., University of Michigan, 1900; Ph.D., University of Pennsylvania, 1905; LL.D., University of Michigan, 1925. Instructor in History, Ishpeming High School, 1900–1901; Instructor in History, Brooklyn Polytechnic School, 1901–2; Harrison Fellow in American History, University of Pennsylvania, 1904–5; Assistant Professor of History, Politics, and Economics, Princeton University, 1905–11, Professor of Politics, 1911–18, McCormick Professor of Jurisprudence, since 1918, Chairman of Department of Politics, since 1923.

[COSGRAVE, MILLICENT MARY 2619 Octavia, SF-sf (West 1951)
Assistant Clinical Professor of Medicine (Pediatrics)]
M.D., Cooper Medical College, 1902. Assistant, Children's Clinic, Cooper Medical College, 1904–8; Assistant, Medical Clinic, San Francisco Polyclinic, 1904–13; Chief, Gynecological Clinic, San Francisco Fruit and Flower Mission, 1906–13. At Stanford since 1913.

[†COTTRELL, EDWIN ANGELL 257 Kingsley (PA 109)
Professor of Political Science]
A.B., Swarthmore, 1907; A.M., Harvard, 1913. Instructor in Political Science, Pennsylvania State College, 1907–11, Assistant Registrar, 1909–11; Assistant in Government, Harvard University, 1911–15; Swarthmore Fellow, 1912–13; Instructor in Government, Wellesley College, 1912–17; Lecturer in Constitutional Government, Brown University, 1915–16; Secretary of the Boston Budget Commission, 1915; Assistant Secretary, Boston Chamber of Commerce, 1916–17; Executive Secretary, Massachusetts Health Insurance Commission, 1917; Professor of Political Science, and Director of the Bureau of Governmental Research, Ohio State University, 1917–19; Special Investigator, United States Bureau of Efficiency, 1918; Visiting Lecturer in Government, Harvard University, Spring, 1922; Visiting Professor, University of Washington, Summer Quarter, 1925. At Stanford since 1919.

†Cowan, John Francis (123) 37 Presidio, SF-sf (Fillmore 5645)
Clinical Professor of Surgery

A.B., Stanford, 1902; M.D., Cornell University Medical College, 1910. Assistant and Acting Instructor in Physiology, Stanford University, 1903–6; Instructor in Physiology, Cornell University Medical College, 1906–9; Interne, New York Hospital, 1910–12, Resident Surgeon, 1912–13; Lieutenant Surgeon, U.S.N. R.F., July 1917 to December 1918. At Stanford since 1913.

†Cowdery, Karl Montague (1234) 559 Homer (PA 485J)
Assistant Registrar

A.B., Oberlin, 1915; A.M., Stanford, 1922, Ph.D., 1926. Student, Eugenics Record Office, Summer, 1915; Research Worker, Whittier State School, 1915–17; Psychological Examiner, U.S. Army, 1918; Assistant Superintendent, Whittier State School, 1919–22, Director of Education, 1922–23; Teaching Assistant in Psychology, Stanford, 1923–24. At Stanford since 1923.

†Cox, Isaac Joslin (1) Kingscote (PA 1476R)
Acting Professor of History

A.B., Dartmouth, 1896; Ph.D., Pennsylvania, 1904. Harrison Fellow in History, Pennsylvania, 1902–4; Instructor, University of Cincinnati, 1904–6, Assistant Professor, 1906–12; Harrison Research Fellow, University of Pennsylvania, and Shaw Lecturer in Diplomacy, Johns Hopkins University, 1911–12; Associate Professor, University of Cincinnati, 1912–18, Professor, 1919; Professor of History, Northwestern University, since 1919.

[Craig, Florence M. Redwood City (RC 217R)
Reviser, Catalogue Department, Library]

A.B., University of Minnesota, 1914; B.L.S., University of Illinois, 1917. At Stanford since 1918.

†Crane, Robert Treat (123) Los Altos-la (LA 167J)
Acting Professor of Political Science

A.B., Johns Hopkins, 1902, Ph.D., 1907; LL.B., University of Maryland, 1907. U.S. Consular Service, 1908–12; Assistant Professor of Political Science, University of Michigan, 1913–16. Associate Professor, 1916–18, Professor since 1918; Lecturer in Summer Sessions, Johns Hopkins University, 1919, University of Chicago, 1922, University of Colorado, 1923, in Winter Quarter, University of Chicago, 1923.

†Crook, Welton Joseph (123) 9 San Juan (PA 1035)
Associate Professor of Metallurgy

A.B., Stanford, 1911, Engineer, 1919. Chemist and Assayer, Department of Mines and Water Supply, Victorian Government, Australia, 1907–8; Assistant, Department of Metallurgy, Stanford University, 1910; Chief Chemist, Pacific Coast Steel Company, South San Francisco, 1911–13; Professor of Metallurgy, State School of Mines, South Dakota, 1913–17; Metallurgical Chemist, U.S. Bureau of Mines, P.P.I.E., 1915; Metallurgist and Chief Chemist, Pacific Coast Steel Company, 1917–19, Metallurgist and Chief Inspector, 1919–20, Chief Metallugist, 1920–21; Co-operating Analyst, U.S. Bureau of Standards, since 1920. At Stanford since 1921.

†Cross, Charles Norman (123) 26 Alvarado (PA 526W)
Associate Professor of Mechanical Engineering

M.E., Cornell, 1906. Assistant Engineer, Long Island State Hospital, Brooklyn (N.Y.), 1905; Dynamo and Switchboard Attendant with the New York Edison Co., New York City, 1905–6; Electrician with the Lackawanna Steel Co., Buffalo (N.Y.), 1906; with Turbine Research Department of General Electric Company, Lynn (Mass.), 1914–15. At Stanford since 1906.

†Crowe, Thomas B. (123) 233 Tennyson-p (PA 1908W)
Lecturer in Metallurgy

E.M., Colorado School of Mines, 1900.

†Cubberley, Ellwood Patterson (1234) 12 Cabrillo (PA 1019)
Professor of Education, and Dean of School of Education

A.B., Indiana, 1891; A.M., Columbia, 1902, Ph.D., 1905; LL.D., Iowa, 1923. Instructor in Science, Ridgeville College (Ind.), 1891; Professor of Physical Science, Vincennes University (Ind.), 1891–93, President, 1893–96; Superintendent of City Schools, San Diego (Calif.), 1896–98; Honorary Fellow, Columbia University, 1901–2, 1904–5; Professor of Education, University of California, Summer Sessions, 1901, 1906, University of Chicago, Summer Quarter, 1910, Harvard University, second half-year, 1910–11; Visiting Professor, Columbia University, Summer Sessions, 1907, 1914, 1916, second half-year, 1915–16. At Stanford since 1898.

†Culver, George Bliss (1234) 505 Santa Ynez (PA 1365)
Dean of Men

A.B., Stanford, 1897; LL.B., George Washington University, 1902. With Smithsonian Institution, Washington (D.C.), 1898–99; Head of Biological Department, Los Angeles High School, 1907–20. At Stanford since 1920.

Cummings, N. Florence (123) Stanford Medical School (West 6193)
Assistant Professor of Social Service and Public Health Nursing

St. Luke's Hospital Training School for Nurses (New Bedford, Mass.); Simmons' College Public Health Nursing Course; Boston School of Social Work. At Stanford since 1923.

†Cushing, Oscar Kennedy (123) 37 Seventh Ave., SF-sf (Pacific 987)
Lecturer in Law

†Cutter, Lawrence Edminster (123) 627 Webster-p (PA 459M)
Associate Professor of Mechanical Engineering

A.B., Stanford, 1906. Machinist, Apprentice, and Journeyman, Union Iron Works, San Francisco, 1895–99, 1899–1902, 1903, 1904, Draftsman, 1905, 1906. At Stanford since 1906.

†Cutting, James Arthur (123) Agnew-a (San Jose 1728)
Assistant Clinical Professor of Medicine (Psychiatry)

A.B., Stanford, 1906; M.D., Cooper Medical College, 1911. Interne, Lane Hospital, 1911–12, Senior Medical Interne and House Officer, 1912–13; Assistant Physician, Agnew State Hospital, since 1913. At Stanford since 1921.

†Danforth, Charles Haskell (123) 951 Bryant (PA 1596W)
Professor of Anatomy

A.B., Tufts, 1908, A.M., 1910; Ph.D., Washington University, 1912. Fellow in Biology, Tufts College, 1908, Instructor, 1910–11; Teaching Fellow in Anatomy, Harvard Medical School, 1910–11; Instructor in Anatomy, Washington University School of Medicine, 1908–14, Associate, 1914–16, Associate Professor, 1916–22. At Stanford since 1922.

†Davidson, Percy Erwin (234) Menlo Heights (Menlo Park 1243W)
Associate Professor of Education

A.B., Stanford, 1898; A.M., Harvard, 1905; Ph.D., Columbia, 1914. Teacher, Grammar and High Schools, San Diego (Calif.), 1898–1900; Supervisor of History and English Teaching, San Francisco State Normal School, 1900–1903; Assistant in Education, San Diego State Normal, 1903–4; Graduate Student, Teachers' College, Columbia University, 1905–7; Instructor in Logic and History of Education, New York Training School for Teachers, 1906–7. At Stanford since 1907.

†Davis, Charles Wesley (1234) 544 Byron-p (PA 111W)
Director of Intramural Sports

B.P.E., Y.M.C.A. College, Springfield (Mass.), 1918. U.S. Navy, 1918; Physical Director, Madison (N.J.), 1919–21, Cleveland Heights High School, Cleveland (Ohio), 1921–22; sometime Athletic Director, Boys' Camps, Maine, Playground Instructor, Brookline (Mass.), Commissioner, Boy Scouts, Madison (N.J.), Swimming Instructor, Venice (Calif.). At Stanford since 1922.

DAVIS, GORDON ARTHUR (124) 19 Salvatierra (PA 964W)
Director of Dramatics and Assistant Professor of English (Public Speaking)

A.B., Stanford, 1920. At Stanford since 1920.

†DAVIS, HAROLD MCDONALD (123) 2 Governors Ave.
Assistant Director of Minor Sports

B.S., University of Illinois, 1921. Assistant, Physical Education Department, University of Illinois, 1920–21, Assistant Instructor, Summer 1921. At Stanford since 1924.

†DAVIS, JOSEPH STANCLIFFE (1234) 13 Mirada (PA 1161J)
Director, Food Research Institute

A.B., Harvard, 1908, Ph.D., 1913. Instructor in Economics and Sociology, Bowdoin College, 1912–13; Instructor in Economics, Harvard University, 1913–17; Tutor in the Division of History, Government, and Economics, Harvard University, 1914–20; Assistant Professor of Economics, Harvard University, 1917–21; Assistant Statistician, American Shipping Mission, and Statistician of the Allied Maritime Transport Council, London, 1918–19. At Stanford since 1921.

†DAVIS, WILLIAM HAWLEY (1234) 52 Lasuen (PA 2827J)
Professor of English, and Editor of University Press

A.B., Harvard, 1905; A.M., Columbia, 1908. Instructor in Public Speaking, Harvard College, Summer Sessions, 1908, 1909, and first half-year 1908–9; Professor of English and Public Speaking, Potsdam (N.Y.) State Normal School, 1909; Assistant Professor of Public Speaking, University of Kansas, 1909–10; Instructor in Public Speaking, Columbia University, Summer Sessions, 1910–12; Professor of English and Public Speaking, Bowdoin College, 1910–25. At Stanford since 1924.

†DEEDS, FLOYD (123) 2590 Sacramento, SF-sf (Walnut 894)
Assistant Professor of Pharmacology

A.B., Western Reserve, 1916, A.M., 1920; Ph.D., Stanford, 1924. Demonstrator in Biochemistry, Western Reserve University, 1916–17, 1919–20; Assistant, Pathological Laboratory, Base Hospital No. 4, Rouen, France, 1917–19; Second Lieutenant, Sanitary Corps, U.S.A., 1918; Teaching Assistant in Biochemistry, Harvard Medical School, 1920–21. At Stanford since 1921.

DICKEY, LLOYD B. (123) 3136 Maxwell Ave., Oakland-o (Fruitvale 7918W)
Instructor in Medicine (Pediatrics)

A.B., Fargo College, 1915; A.M., Illinois, 1917; B.S., Minnesota, 1921, M.B., 1922, M.D., 1923.

†DICKSON, ERNEST CHARLES (123) 155 San Fernando Way, SF-sf
Professor of Medicine [(Sunset 4298)

A.B., Toronto, 1904, M.B., 1906, M.D., 1917. Assistant Demonstrator in Physiology, University of Toronto, 1904–5, George Brown Research Scholar, 1906–7; Assistant Resident Physician, Johns Hopkins Hospital, 1907–8; Instructor in Pathology and Bacteriology, Cooper Medical College, 1908–10; Assistant Professor of Pathology, Stanford, 1910–13; Captain, Canadian A.M.C., February 1918 to July 1919. At Stanford since 1910.

†DIETRICH, WALDEMAR FENN (123) 34 Lasuen (PA 356J)
Associate Professor of Mining

A.B., Stanford, 1913, Engineer, 1914. Acting Instructor in Mining, Stanford University, 1913–14; Engineer with Copper Queen Consolidated Mining Company, Bisbee (Ariz.), 1914–15; Engineer and later Assayer with Consolidated Arizona Smelting Company, Humboldt (Ariz.), 1916. At Stanford 1913–14, and since 1916.

†DILLON, JAMES ROOT (1234) 2670 Greenwich, SF-sf (Fillmore 3071)
Associate Clinical Professor of Surgery (Genito-Urinary)

A.B., Stanford, 1908; M.D., Cooper Medical College, 1912. Assistant in Medicine (Neurology), Stanford Medical School, 1913–14, Assistant in Surgery (Genito-Urinary) since 1915. Assistant Visiting Surgeon (Genito-Urinary), San Francisco Hospital, since 1917. At Stanford since 1913.

†Doane, Rennie Wilbur (123) 12 Dolores (PA 1731J)
Associate Professor of Entomology

A.B., Stanford, 1896. Assistant in Zoölogy and Botany, Washington State College, 1896–99, Assistant Professor of Zoölogy and Entomology, 1899–1901; Superintendent, Fisheries Experiment Station, Keyport (Wash.), 1901–1903. At Stanford since 1905.

Dobie, Edith (23) 32 Lasuen (PA 1078)
Instructor in Citizenship (Winter and Spring Quarters)

A.B., Syracuse, 1914; A.M., Chicago, 1922; Ph.D., Stanford, 1925. Instructor, Cortland (N.Y.) State Normal School, 1914–18; Instructor, Westfield (Mass.) State Normal School, 1918–20; Instructor, Massachusetts State College, Amherst (Mass.) Summer, 1919; Instructor Trenton (N.J.) State Normal School, 1920–21; Assistant Professor of History, Wesleyan College, Macon (Ga.), 1923. At Stanford since 1926.

†Dodge, John Franklin (123) Atherton-Box 285A, Menlo Park
Lecturer on Oil Land Valuation

B.S., College of Mines, University of California, 1912; M.S., University of Southern California, 1915; E.M., California, 1924.

†Douglass, Harl Roy (4) 321 Stanford
Acting Associate Professor of Education (Summer Quarter)

B.S., Missouri, 1913, A.M., 1921. Supervisor, University of Missouri High School, 1913–14; Superintendent of Schools, Missouri and Oregon, 1914–19; Professor of Education, and Director of University High School, University of Oregon, since 1919; Professor of Education, State College of Washington, Summer, 1921, University of Wisconsin, Summers, 1922 and 1923; Acting Associate Professor of Education, Stanford, 1923–24 and Summer Quarters, 1924 and 1925.

†Drew, Elmer Reginald (123) 1321 Waverley-p (PA 1181W)
Associate Professor of Physics

B.S., California, 1888; Ph.D., Cornell, 1903. Student, University of Chicago, 1897–98, University of Berlin, 1903–5; Assistant in Physics, University of California, 1889–92, Instructor, 1892–1902. At Stanford since 1905.

Duncker, Karl (4) 176 Bryant-p (PA 2708W)
Lecturer in Psychology (Summer Quarter)

Fellow in Psychology, Clark University.

†Eckart, William Rankine (123) 1445 Bryant-p (PA 227)
Professor of Mechanical Engineering

M.E., Cornell, 1895. Mechanical Engineer, Siemens Halske Electric Co., Chicago, 1895–96; Construction Engineer, Allison Ranch Mine, Grass Valley (Calif.), 1896–98; Testing Work for Fraser & Chalmers, in Hawaii and Mexico, 1898–99; with W. R. Eckart, Consulting Engineer, Hydraulic Power Plants and Mining Work, 1899–1903, summers of 1904–14; Consulting Engineer, Geary St. P. & O. R.R., San Francisco, 1902-6, Columbia Steel Company since 1915, C. F. Braun & Co. since 1918. At Stanford since 1903.

†Eells, Walter Crosby (4) 1627 College
Acting Associate Professor of Education (Summer Quarter)

A.B., Whitman College, 1908; A.M., Chicago, 1911. Professor of Mathematics, Whitworth College, 1911–14; Instructor in Mathematics, U.S. Naval Academy, 1914–16; Instructor in Surveying, Harvard Engineering Camp, Summer Quarter, 1916; Professor of Applied Mathematics, Whitman College, since 1916.

†Elmore, Jefferson (123) 11 Alvarado (PA 1604W)
Professor of Classical Literature

A.B., Stanford, 1895, A.M., 1895, Ph.D., 1901. Principal of Merced County High School, 1895–97; Student, Universities of Bonn and Berlin, 1901–2. At Stanford since 1898.

ELOESSER, LEO (123) 2152 Leavenworth, SF-sf (Graystone 5643)
Clinical Professor of Surgery

B.S., University of California, 1900; M.D., Heidelberg, 1907. Volunteer Assistant, Surgical Clinic, Heidelberg, 1906; Assistant, Cancer Institute, Heidelberg, 1906–7; Volunteer Assistant, Royal Surgical Clinic, Kiel, 1908–9; Volunteer Assistant, August Hospital, Berlin, 1909; Assistant in Surgery, University of California, 1910–12; Surgeon to Reserve Hospital Ettlingen and Reserve Hospital III, IV, V, Karlsruhe, 1915–16; Major, M.C., U.S.A., November 1918 to November 1919. At Stanford since 1913.

†ELY, LEONARD WHEELER (1234) 1010 Bryant-p (PA 264)
Professor of Surgery (Orthopedics)

A.B., Columbia, 1889; M.D., College of Physicians and Surgeons, Columbia University, 1895. Captain, M.C., U.S.A., September 1917 to February 1919. At Stanford since 1913.

†EMERSON, JAMES GORDON (4) 28 Alvarado (PA 526M)
Associate Professor of English (Public Speaking)

B.S., Iowa State College, 1912; J.D., Stanford, 1915. Student, Harvard Law School, 1912–13, University of California Law School, Summer Session, 1914; Instructor in Public Speaking, Kansas State Agricultural College, 1915–16, Assistant Professor, 1916–17, Professor and Department Head, 1917–21. At Stanford since 1921.

†EMGE, LUDWIG AUGUSTUS (23) 109 Edgewood, SF-sf (Sunset 4849)
Associate Clinical Professor of Obstetrics and Gynecology

B.S., Chicago, 1912; M.D., Rush Medical College, 1914. Assistant in Anatomy, University of Chicago, 1912–13; Special Worker in Pathology, Rush Medical College, 1913–14; Interne, Durant and Presbyterian Hospitals, Chicago, 1914–15; Resident and Assistant in Gynecology and Obstetrics, University of California Hospital, 1915–17. At Stanford since 1917.

†ENGLE, EARL THERON (123) College Terrace (PA 2258J)
Instructor in Anatomy

A.B., Nebraska, 1920; A.M., Colorado, 1924; Ph.D., Stanford, 1925. Instructor in Zoölogy, Nebraska Wesleyan University, 1921–22, University of Colorado, 1922–24; University Fellow, Stanford University, 1924–25. At Stanford since 1924.

†ERWIN, ERNEST S. (1234) 23 Alvarado (PA 1081R)
Auditor

†ESPINOSA, AURELIO MACEDONIO (124) 16 Salvatierra (PA 676J)
Professor of Romanic Languages

A.B., Colorado, 1902, A.M., 1904; Ph.D., Chicago, 1909. Assistant in Romance Languages, University of Colorado, 1901–2, Instructor, Summer Terms, 1904, 1905; Professor of Romance Languages, University of New Mexico, 1902–10; Fellow in Romance Languages and Instructor in Spanish, University of Chicago, 1908–9; Lecturer in Spanish Language and Literature, Summer Sessions, University of Chicago, 1914, University of California, 1912, 1915, 1922; Associate Editor, *Journal of American Folklore,* since 1914; Editor, *Hispania,* since 1917; member of Advisory Editorial Board of *Inter-America,* since 1917; corresponding member of the Royal Spanish Academy, 1921; Comendador con Placa de la Orden de Isabel la Católica, 1922; President of the American Folklore Society, 1924–25. At Stanford since 1910.

ETHEREDGE, MAUDE LEE (4) Kingscote
Acting Medical Adviser of Women (Summer Quarter)

M.D., Loyola University, 1912; D.P.H., Pennsylvania, 1919. Medical Adviser of Women, Cornell, 1920–23; Medical Adviser of Women, University of Illinois, since 1923.

†EVANS, LUTHER HARRIS (123) 422 Princeton
Instructor in Citizenship

A.B., Texas, 1923, A.M., 1924. At Stanford since 1924.

†Evermann, Barton Warren (23) 2715 Woolsey, Berkeley-b
Lecturer in Zoölogy [(Berkeley 1530)

B.S., Indiana, 1886, A.M., 1888, Ph.D., 1891; LL.D., University of Utah, 1922. Professor of Biology, Indiana State Normal School, 1886–91; Ichthyologist, 1888–91; Lecturer, Stanford, 1893–94, Cornell, 1900–1903, Yale, 1903–6; Director of Museum, California Academy of Sciences, since 1914.

†Faber, Harold Kniest (1234) 2080 Vallejo, SF-sf (Fillmore 3848)
Professor of Medicine (Pediatrics)

A.B., Harvard, 1906; M.D., Michigan, 1911. Medical Interne, New York Hospital, 1911–13; Resident Pathologist, Babies' Hospital, New York, 1913–14; Fellow, Rockefeller Institute, New York, 1914–15; Captain, M.C., U.S.A., February 1918 to August 1919. At Stanford since 1915.

†Fairclough, Henry Rushton (4) 6 Cabrillo (PA 1479)
Professor of Classical Literature

A.B., Toronto, 1883, A.M., 1886, Litt.D., 1922; Ph.D., Johns Hopkins, 1896. Fellow in Classics, University College, Toronto, 1883–84; Classical and English Master, Brockville High School, 1884–86; Graduate Scholar, Johns Hopkins University, 1886–87, Fellow, 1887; Lecturer in Greek and Ancient History, University College, Toronto, 1887–93; Professor of Latin, University of Wisconsin, Summer Session, 1906, Columbia University, Summer Session, 1908, University of Chicago, Summer Quarter, 1910, University of California, Summer Session, 1921; Professor of Latin, American School of Classical Studies, Rome, 1910–11; Order of St. Sava, Serbia, 1920; Officer de l'Ordre de la Couronne, Belgium, 1920; Visiting Professor in Greek and Latin, Harvard University, 1925–26; President of the American Philological Association, 1926. At Stanford since 1893.

Farmer, Edward McNeil (234) 515 University (PA 554W)
Instructor in Education (Graphic Art)

A.B., Stanford, 1923. At Stanford since 1923.

Farnsworth, Paul Randolph (1234) 15 Stanford Union (PA 2900)
Instructor in Psychology

A.B., Ohio State University, 1921, A.M., 1923, Ph.D., 1925. Assistant in Psychology, Ohio State, 1920–22, Special Assistant, Summer, 1922, Instructor, 1922–24; Student, University of Missouri, Summer, 1923; University Fellow, Ohio State, 1924–25. At Stanford since 1925.

†Farrington, Guy Stevens (123) 809 Francisco, SF-sf (Graystone 2315)
Lecturer on Speech Defects

Assistant, Defective Speech Clinic in Pediatrics, University of California, 1915–16; Assistant, Defective Speech Clinic, San Francisco Public Schools, 1916; Assistant, Defective Speech Clinic, Oakland Public Schools, 1917; Chief of Clinic, Defective Speech, College of Physicians and Surgeons, 1918. At Stanford since 1918.

Fast, Lisette Emery (123) 4 Lasuen (PA 1746W)
Secretary, Citizenship

A.B., Stanford, 1919; M.B.A., University of Washington, 1921. Research Assistant, Food Research Institute, Stanford University, 1922–23. At Stanford since 1922.

Fearing, Flora May (Mrs.) (1234) 177 Tasso-p (PA 2359W)
Instructor in Citizenship

A.B., Stanford, 1917, A.M., 1918. Instructor in Political Science, Vassar College, 1918–19; Supervisor, Neuro-Psychiatric Cases, American Red Cross, Louisville (Ky.), 1920; Director, Psychiatric Social Investigation, Cincinnati Mental Hygiene Survey, National Committee for Mental Hygiene, 1921; Lecturer in Economics and Sociology, Mills College, 1922–23. At Stanford 1921–22, and since 1923.

†Fearing, Franklin Smith (1234) 177 Tasso-p (PA 2359W)
Instructor in Psychology

A.B., Stanford, 1923, A.M., 1924. Assistant Director of Education, Washington State Reformatory, 1915–16; Member of Staff (in charge of Psychological Examina-

tions), Psychiatric Division Medical Department, U.S.N., Hampton Roads Naval Base, 1918–19; Director Psychological Clinic serving Social Agencies, Louisville (Ky.), 1919–21; Psychologist, Field Staff, National Committee for Mental Hygiene, Mental Hygiene Survey, Cincinnati (O.), 1921–22. At Stanford since 1923.

†FERRIS, GORDON FLOYD (4) 667 Melville (PA 2746W)
Assistant Professor of Entomology

A.B., Stanford, 1916, A.M., 1918. At Stanford since 1916.

FIELD, JOHN, II (123) 1636 Emerson-p (PA 434M)
Acting Instructor in Physiology

A.B., Stanford, 1923, A.M., 1924. Assistant in Chemistry, Stanford, 1923–24, Food Research Fellow, 1924–25. At Stanford since 1923.

†FISH, JOHN CHARLES LOUNSBURY (123) 308 Lincoln-p (PA 1266)
Professor of Railroad Engineering

C.E., Cornell, 1892. Instructor in Civil Engineering, Cornell University, 1892–93; Division Engineer, Lake Shore & Michigan Southern Railway, 1906–8. At Stanford since 1893.

†FISHER, ARTHUR LAWRENCE (123) 3333 Jackson, SF-sf (Fillmore 3620)
Assistant Clinical Professor of Surgery (Orthopedics)

B.S., California, 1896; M.D., Johns Hopkins, 1900. Resident House Officer, Johns Hopkins Hospital, 1900–1901; Fellow, Rockefeller Institute for Medical Research, 1901–2; Assistant Visiting Surgeon, Mount Zion Hospital, San Francisco, 1902–7; Assistant in Surgery, Lane Hospital, 1907–12; Assistant in Orthopedics, Stanford Medical School, 1912–16; Instructor in Orthopedic Surgery, University of California, 1916–19. At Stanford 1912–16, and since 1920.

†FISHER, HAROLD HENRY (1234) 473 Embarcadero (PA 2255J)
Lecturer in History

A.B., Vermont, 1911. Master, The Black Hall School, 1912, Mercersburg Academy, 1912–14, The Hill School, 1914–17; Student, Summer Sessions, Columbia University, 1914, Dartmouth College, 1916; First Lieutenant, Field Artillery, 1917, Captain (A.E.F.), 1918–19; on staff of *New Republic* and *Washington* (D.C.) *Herald*, 1919–20; with American Relief Administration since 1920, Chief of Department of History and Publications, 1921–24, Curator of Archives, 1924. At Stanford since 1924.

†FISHER, WALTER KENRICK (234) 844 Laurel, Pacific Grove-pg (Monterey 407W)
Professor of Zoölogy, and Director of Hopkins Marine Station

A.B., Stanford, 1901, A.M., 1903, Ph.D., 1906. Assistant, U.S. Biological Survey, 1897–1901, 1903; Assistant, U.S. Fish Commission, 1902, 1904; Curator, Department of Invertebrate Zoölogy, California Academy of Sciences. At Stanford since 1902.

†FLETCHER, HAROLD AUGUSTUS (123) 12 West Clay Park, SF-sf (Bayview 2704)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

B.S., California, 1912; M.D., Stanford, 1916. Interne, Lane Hospital, 1916–17; M.R.C., U.S.N., 1917–19. At Stanford since 1919.

FLOURNOY, FITZGERALD (123) 645 Gilman
Instructor in English

A.B., Washington and Lee, 1921, A.M., 1922; A.B., Oxford, 1924.

†FLUHMANN, C. FREDERIC (23) 2400 Webster, SF-sf (Walnut 652)
Instructor in Obstetrics and Gynecology

B.A., University of Bishop's College, 1917; M.D., C.M., McGill, 1922. Junior Interne, Montreal General Hospital, 1922–23, Senior Interne, Gynecology, 1923–24; Johns Hopkins Hospital, Obstetrics, 1924–25. At Stanford since 1926.

FORDYCE, ELIZABETH L. (1234) 15½ Alvarado (PA 1505W)
Assistant Secretary to the President

B.S., Mills, 1916. At Stanford since 1920.

†FOSTER, BENJAMIN OLIVER (34) 22 Lasuen (PA 1021W)
Associate Professor of Classical Literature

A.B., Stanford, 1895; A.M., Harvard, 1897, Ph.D., 1899. Parker Fellow of Harvard University, studying in the American School of Classical Studies in Rome, 1899–1900; Acting Professor of Latin and Greek, State Normal College of Michigan, 1900–1901; Assistant Professor of Latin, University of California, Summer Session, 1908, Associate Professor, 1923; Visiting Professor of Latin, University of Chicago, Autumn and Winter Quarters, 1925–26. At Stanford since 1901.

†FRANKFORTER, GEORGE BELL (123) 6 Alvarado (PA 2562)
Acting Professor of Chemistry

B.S., University of Nebraska, 1886, A.M., 1888; Ph.D., Royal University of Berlin, 1893. Assistant in Chemistry, Nebraska, 1884–86, Instructor, 1886–88, Professor of Analytical Chemistry, 1893 (three months); Professor of Chemistry and Director of the Laboratories, University of Minnesota, 1893–1902, Professor of Chemistry and Dean of the School of Chemistry, 1902–1917; War Department (Ordnance), 1917–20; Commanding Officer, Technological School for Officers in Ordnance, Chemistry of Explosives, 1917–18; Professor of Organic and Industrial Organic Chemistry, University of Minnesota, since 1920.

†FRANKLIN, EDWARD CURTIS (123) 16 Mirada (PA 216)
Professor of Organic Chemistry, and Dean of Graduate Study

B.S., Kansas, 1888, M.S., 1890; Ph.D., Johns Hopkins, 1894; LL.D., Northwestern, 1925; Chemist to Palo Alto Plantation and Sugar Factory, Donaldsville (La.), 1888; Chemist to the Bella Vista Mining and Milling Co., Los Quemados, Costa Rica, 1897; Instructor in Chemistry, University of Kansas, 1888–90; Student, University of Berlin, 1890–91; Assistant in Chemistry, University of Kansas, 1891–93, Associate Professor, 1894–99, Professor of Physical Chemistry, 1899–1903; Member of the U.S. Assay Commission, 1907; Chief of the Division of Chemistry, U.S. Public Health Service, Washington (D.C.), 1911–13; Member Advisory Board, Bureau of Mines, Washington (D.C.), 1917–18; Physical Chemist, Bureau of Standards, 1918; Consulting Chemist, Ordnance Bureau, 1918; President, American Chemical Society, 1924; Nichols Medal in Chemistry, 1925. At Stanford since 1903.

†FREELAND, GEORGE EARL (3) State Teachers College, San Jose-sj
Lecturer in Elementary Education

A.M., Clark, 1913, Ph.D., 1920. Principal of Training School, State Normal School, Edinboro, Pa., 1913–14, State Teachers College, Greeley, Colo., 1914–17; Associate Professor Education, University of Washington, 1917–21; Professor of Education, State Teachers College, San Jose, since 1921.

[†FREGEAU, AIMÉ N. 415 Junipero Serra Blvd., SF-sf (Randolph 6518)
Clinical Instructor in Medicine]

M.D., Tufts, 1915. House Officer, St. Elizabeth's Hospital, Boston, 1915–17; Abroad, U.S. Army, 1917–20; Resident Physician, French Hospital, S.F., 1920, Visiting Physician, 1921–22, at present Physician in Chief, French Hospital. At Stanford since 1923.

†FRIEND, WILL A. (1234) 1026 Forest Court (PA 1884R)
Superintendent of the University Press

†FURMAN, NATHANIEL HOWELL (4) 10 Alvarado (PA 198)
Acting Assistant Professor of Chemistry (Summer Quarter)

B.S., Princeton, 1913, A.M., 1915, Ph.D., 1918. Assistant in Chemistry, Princeton University, 1913–16; Junior Chemist, Government Service, 1916; C.E. Procter Fellow in Chemistry, Princeton, 1916–17; Instructor in Chemistry, Stanford, 1917–19; Assistant Professor, Princeton, since 1919.

GALE, HELEN AVERY (1234) 940 Waverley-p (PA 2052)
Chief of Serial Department, Library

A.B., Stanford, 1909. At Stanford since 1913.

GARDINER, ANN HENSHAW (123) 2340 Clay, SF-sf (West 6193)
Instructor in Theory of Nursing

B.S., Columbia University, 1923. Massachusetts General Hospital, 1911–14; Instructor of Nurses and Assistant Superintendent of Nurses, St. Luke's Hospital, New Bedford, Mass., 1914–17; U.S. Base Hospital No. 6, Bordeaux, France, 1917–19; Superintendent of Nurses, Bridgeport Hospital, Bridgeport, Conn., 1919–21; Student, Columbia University, 1921–22; Educational Director, Baylor School of Nursing, Baylor University, 1922–24; Student, University of Washington, 1924–25. At Stanford since 1925.

†GARDNER, DAVID CHARLES (1234) 1a Alvarado (PA 1068)
Chaplain, and Lecturer on Biblical History and Literature

Graduate, Church Divinity School of the Pacific, 1897, D.D., 1920. Curate St. James Mission, San Francisco, 1898; Rector of All Saints Church, Palo Alto, 1898–1902. At Stanford since 1902.

†GEARY, WILLIAM DUCACHET (123) 17 Alvarado (PA 1505J)
Professor of Military Science and Tactics (Field Artillery)

Graduate, United States Military Academy, 1907. Major, Field Artillery, U.S. Army. At Stanford since 1923.

†GEIGER, MORITZ (4) 4 Lasuen (PA 1746)
Acting Professor of Philosophy (Summer Quarter)

Ph.D., University of Munich, 1904. Student, Universities of Leipzig, 1901–2, Munich, 1904, Göttingen, 1906, Harvard University, 1907–8; Privat-dozent in Philosophy, University of Munich, 1907–15, Assistant Professor, University of Göttingen, 1915–23, Professor since 1923.

†GIBBONS, MORTON RAYMOND (123) 3979 Washington, SF-sf
Lecturer on Medical Aspects of Insurance [(Bayview 7950)

M.D., Cooper Medical College, 1897. Instructor in Clinical Medicine, Cooper Medical College, 1904–9. At Stanford 1909–16, and since 1919.

†GILMAN, PHILIP KINGSNORTH (1234) 1803 Broadway, SF-sf
Clinical Professor of Surgery [(Fillmore 7906)

A.B., Stanford, 1901; M.D., Johns Hopkins, 1905. Assistant Resident Surgeon, Johns Hopkins Hospital, 1905–7; Assistant Professor of Pathology, Philippine Medical School, 1907–8; Assistant Professor of Surgery, College of Medicine and Surgery, University of the Philippines, 1908–12, Professor of Surgery and Chief of Department, 1912–16; Chief Surgeon, Philippine General Hospital, 1912–16; Lieutenant, M.C., U.S.N. R.F., December 1917 to February 1919. At Stanford since 1916.

GIRARD, FRANK ROBERT (123) Bohemian Club, SF-sf (Franklin 2441)
Lecturer in Surgery

M.D., California, 1903. Volunteer Assistant, Koenigliches Krankenhaus, Berlin, Germany, 1905–6; House Pathologist and House Surgeon, St. Luke's Hospital, New York, 1906–8; Assistant Resident Physician, Sloane Maternity Hospital, New York, 1908–9; Assistant Clinical Professor of Gynecology, Stanford, 1916–25; Major, M.C., U.S.A., December 1917 to November 1919. At Stanford since 1914.

†GODDARD, CHARLES BALDWIN (1) 541 Seale-p (PA 522R)
Assistant Registrar

A.B., Stanford, 1904. Graduate Student, University of Wisconsin, Summer, 1910; Special Student, Washington University, St. Louis (Mo.), 1915; Teacher of English, Yeatman High School, St. Louis, 1904–9, Assistant Principal, 1909–18; Teacher of English, Harris Teachers College, St. Louis, Summer Sessions, 1914, 1915; District Representative, War Camp Community Service (Inc.), 1918–21. At Stanford 1921–25.

GOLDER, FRANK ALFRED (34) 216 Stanford Union (PA 2900)
Professor of History

A.B., Harvard, 1903, Ph.D., 1909. Instructor in History, University of Missouri, 1908–9, in History and Economics, Boston University, 1909, in History, University

of Chicago, 1910; Assistant Professor of History, State College of Wahington, 1910–14, Professor, 1915–20; Investigator in Russian Archives for Carnegie Institution, Washington (D.C.), 1914–15, for Carnegie Institution and American Geographical Society, 1917; Researches for U.S. Government in connection with the War, 1917–18. At Stanford since 1923.

GORDON, KATE (4) 30 Alvarado (PA 515R)
Lecturer in Psychology (Summer Quarter)

Associate Professor of Psychology, University of California, Southern Branch.

†GOTTBRATH, NORBERT J. (123) Ralston Road, Belmont-b (Belmont 37)
Clinical Instructor in Medicine (Neurology)

B.S., St. Mary's Institute (Dayton, O.), 1898; M.D., Georgetown University, 1912. Clinical Assistant, Neurological Institute, New York City, 1914–15; Attending Physician and Instructor, Vanderbilt Clinic, 1914–16; Director of Prison Survey, California Branch of American Institute of Criminal Law and Criminology, 1919–21. At Stanford since 1918.

GRAHAM, HARRINGTON BIDWELL (23) Olympic Club, SF-sf (Douglas 4400)
Associate Clinical Professor of Surgery (Otology, Rhinology, and Laryngology)

B.S., California, 1896, M.D., 1899. Superintendent of Waldeck Sanitarium, 1899; Assistant in Surgery, San Francisco Polyclinic, 1904; Assistant, Ear, Nose, and Throat Clinic, Cooper Medical College, 1910–11; Lieutenant, U.S.N.R.F., September 1918 to February 1919. At Stanford since 1912.

†GRAY, HENRY DAVID (1234) 22 Alvarado (PA 1042R)
Associate Professor of English

Ph.B., Colgate, 1897; A.M., Columbia, 1898, Ph.D., 1904; Litt.D., Colgate, 1919. Assistant in German and French, Colgate Academy, 1896–97; University Scholar, Columbia University, 1898–1900; Instructor in Dramatic Literature, American Academy of Dramatic Arts, 1900–1902; Instructor in English, University of Texas, 1902–5; Lecturer in English, Columbia University, Summer Session, 1905, University of Oregon, Summer Session, 1910, University of Illinois, Summer Session, 1912. At Stanford since 1905.

GREEN, BOYNTON MORRIS (123) 209 Stanford Union (PA 2900)
Assistant Professor of Mechanical Engineering

A.B., Stanford, 1914, M.E., 1916. Student Engineer, H. Koffers Company, Pittsburgh (Pa.), 1916; Draftsman and Construction Engineer, Federal Telegraph Company, 1917, 1919–21. At Stanford 1920, and since 1921.

†GREEN, RUFUS LOT (123) 13 Salvatierra (PA 1127J)
Professor of Mathematics

B.S., Indiana, 1885, A.M., 1889. Instructor in Mathematics, Indiana University, 1885–86; Student, Johns Hopkins University, 1886–87; Assistant Professor, Indiana University, 1886–88, Associate Professor, 1889–91, Professor of Pure Mathematics, 1891–93. At Stanford since 1893.

GRIFFING, ELIZABETH PERRY (MRS.) (1234) 528 Lincoln-p (PA 1580J)
Junior Research Associate, Food Research Institute

B.S., Simmons, 1914; A.M., Stanford, 1920.

†GUÉRARD, ALBERT LÉON (123) 7 Alvarado (PA 2583)
Professor of General Literature

A.B., Classical, A.B., Modern, Paris, 1898–99; Agrégé d'Anglais, Paris, 1906. Junior Professor of French Literature and Examiner in History, State Normal School, Paris, 1904–6; Professor of English, École des Hautes Études Commerciales, Paris, 1904–6; Instructor in French, Williams College (Mass.), 1906–7; Assistant Professor of French, Stanford, 1906–13, Associate Professor, 1913; Professor of French Civilization and Head of Romance Language Department, Rice Institute, 1913–24; Professor of French and Chairman of French Department, University of California, Southern Branch, 1924–25; Professor of French, University of Chicago,

Summer, 1916, 1920, University of California, Southern Branch, Summer, 1921, 1922, University of Wisconsin, Summer, 1923. At Stanford, 1906–13, and since 1925.

†Guernsey, John B. (3) 718 Hurlingham, San Mateo-sm (SM 1802)
Lecturer in Graduate School of Business

B.C.S., New York University, 1911. Professional accounting and reorganization work, 1911–26; Member, Controllers' Congress, N.R.D.G.A., and American Institute of Mining and Metallurgical Engineers.

†Guest, Harold Walter (123) 341 Emerson-p
Lecturer in Economics

A.B., Albion, 1921; A.M., Illinois, 1922; Ph.D., Stanford, 1926. Assistant in Economics, University of Illinois, 1921–22; Instructor in Economics, Lafayette College, 1922–24. At Stanford since 1924.

†Haas, Sylvan Lewis (123) 579 Eleventh Ave., SF-sf (Pacific 8713)
Assistant Clinical Professor of Surgery

B.S., University of California, 1904; M.D., Johns Hopkins Medical School, 1908. At Stanford 1912–18, and since 1923.

Hadden, Elizabeth (1234) 151 Kellogg-p (PA 734W)
Chief of Order Division, Library

At Stanford since 1901.

†Hale, William Green (4) 1827 Cowper (PA 2228J)
Acting Professor of Law (Summer Quarter)

B.S., Pacific University, 1903; LL.B., Harvard University, 1906. Engaged in practice in Portland (Ore.), 1906–9; Instructor in Law, University of Illinois, 1909–11; in practice, 1911–12; Professor of Law, University of Illinois, 1912–20; Professor of Law and Dean, University of Oregon Law School, since 1920; Acting Professor of Law, Stanford, Summer Quarter, 1921; University of California, Summer Session, 1923.

†Hall, Ernest Mosiah (123) 2191 Pine, SF-sf (Fillmore 5244)
Instructor in Pathology

A.B., Brigham Young, 1905; M.S., State College of Washington, 1916. At Stanford 1920–21, and since 1925.

†Hall, Howard Judson (123) University, Los Altos (LA 10J)
Associate Professor of English

B.S., Michigan State College, 1890; A.B., Stanford, 1896; A.M., Harvard, 1900. Professor of English, and Librarian, University of Arizona, 1891–1904; Instructor, Army Educational Corps, A.E.F., University, Beaune, Cote d'Or, France, 1919. At Stanford since 1904.

Hall, Victor Ernest (123) 735 Middlefield-p (PA 257W)
Acting Instructor in Biology (Physiology)

A.B., Stanford, 1922, A.M., 1925.

Hallberg, Laura Sanford (Mrs.) (1234) 358 Twenty-first Ave., SF-sf
Secretary to Dean of Medical School [(Fillmore 9972)

A.B., Stanford, 1917. At Stanford since 1922.

†Hanzlik, Paul John (1234) 819 Prospect Row, San Mateo-sm (SM 1117)
Professor of Pharmacology

Ph.C., Iowa, 1908; A.B., Illinois, 1908, A.M., 1911; M.D., Western Reserve, 1912. Demonstrator in Pharmacology, Western Reserve University, 1912–13, Instructor, 1913–15; Associate, 1915–17, Assistant Professor, 1917–20, Associate Professor, 1920–21; Pharmacological Institute and Physico-Chemical-Biological Institute, University of Vienna, 1913–14; Pharmacologist, Bureau of Mines, Department of Interior, and Captain, M.C., U.S.A., 1918. At Stanford since 1921.

†Harcourt, Robert Henry (123) 918 Cowper-p (PA 1467J)
Teaching Specialist in Forge Practice

Graduate, Santa Barbara State Normal School, 1917. Apprentice and Blacksmith with Risdon Iron Works, San Francisco, 1898–1901, 1903–4; with Hammond Car and Elevator Company, San Francisco, 1901–2, 1904–5; with National Iron Works, San Francisco, 1902–3; Toolman with Abner Doble Steel Company, San Francisco, 1905–6, Foreman of Forge Shop, 1906–7; Instructor in Machine Shop Practice, Forge Practice, and Sheet Metal Work, State Normal School, Santa Barbara, Summer Session, 1919. At Stanford since 1907.

†Harrison, George Russell (123) 32 Salvatierra (PA 2414)
Assistant Professor of Physics

A.B., Stanford, 1919, A.M., 1920, Ph.D., 1922. Instructor in Physics, Stanford, 1919–23; Associate Physicist, Bureau of Standards, Summer, 1921; National Research Fellow in Physics, Harvard, 1923–25. At Stanford 1919–23, and since 1925.

†Hartman, George Washington (23) 1005 Hyde, SF-sf
Lecturer on Genito-Urinary Surgery

B.S., California, 1903; M.D., Johns Hopkins, 1908. Resident Physician, French Hospital, New York, 1908, Flushing Hospital, New York, 1909; Adjunct in Urology, German Hospital, 1909–18; Urologist, Franklin Hospital, San Francisco, 1918; Assistant, Urological Clinic, San Francisco Polyclinic, 1912–18; Chief of Clinic, San Francisco Polyclinic, 1918. At Stanford since 1919.

[Haven, Maude Noble (Mrs.) 611 Baker, SF-sf (Fillmore 1151)
Clinical Instructor in Medicine (Neurology)]

Ph.B., California, 1894; M.D., Cooper Medical College, 1900. Assistant, Woman's Clinic, Children's Hospital, San Francisco, 1901-4. At Stanford 1914–16, and since 1918.

Hays, Alice Newman (1234) 3 Alvarado (PA 1052J)
Reference Librarian

A.B., Stanford, 1896; B.L.S., New York State Library School, 1903. Assistant, Home Education Department, New York State Library, 1901. At Stanford since 1901.

†Heath, Harold (234) 181 Ocean View, Pacific Grove-pg
Professor of Zoölogy

A.B., Ohio Wesleyan, 1893; Ph.D., Pennsylvania, 1898; D.Sc., Ohio Wesleyan, 1919. Assistant in Biology, Ohio Wesleyan University, 1891–93; Professor of Biology, University of the Pacific, 1893–94; Harrison Fellow in Zoölogy, University of Pennsylvania, 1896–98. At Stanford since 1894.

†Henline, Henry Harrison (123) 1410 Middlefield (PA 1744)
Associate Professor of Electrical Engineering

B.S., Illinois, 1914. Instructor in Science and Mathematics, Oktaha (Okla.) High School, 1914–15; Graduate, Chicago Central Station Institute, 1916; with Commonwealth Edison Co., 1916–17. At Stanford since 1917.

†Herold, Stanley Carrollton (3) 659 Melville (PA 2746J)
Lecturer in Geology

A.B., Stanford, 1909.

§Hewlett, Albion Walter
Professor of Medicine

B.S., University of California, 1895; M.D., Johns Hopkins, 1900. Assistant Professor of Theory and Practice of Medicine, Cooper Medical College, 1906–08; Professor of Internal Medicine, University of Michigan, 1908–16; Lieutenant-Commander, U.S.N.R.F., 1917–19. At Stanford since 1916.

§ Deceased November 10, 1925.

†Hill, Harold Phillips (123) 3625 Jackson, SF-sf (Bayview 7716)
Clinical Professor of Medicine

A.B., Stanford, 1898; M.D., California, 1901. Assistant in Physiology, Department of Medicine, University of California, 1899–1901, Instructor, 1901–3; Assistant Visiting Physician, St. Luke's Hospital, 1903–6, Visiting Physician, 1906–20; Chief of Staff, St. Luke's Hospital. At Stanford since 1912.

†Hill, Henry Granville (123) 465 S. Fifteenth, San José-sj (SJ 1863)
Lecturer in Law

A.B., Stanford, 1909, J.D., 1911.

Hill, Mary Anderson (Mrs.) (4) 255 Everett-p
Lecturer in English (Summer Quarter)

A.B., Vassar, 1889; A.M., Stanford, 1922, Ph.D., 1924. Fellow in History, Vassar, 1889–90; Instructor in English Literature, San Diego Junior College, 1916–19; Professor of English Literature, Whittier College, since 1924.

Hitchcock, Jeannette McCrory (123) 1 Salvatierra (PA 1025)
Cataloguer, Library

A.B., Stanford, 1915; B.L.E., University of Washington, 1918. At Stanford since 1923.

Hobe, Adelaide M. (1234) Harvard Road-R.D., Box 41, mp (PA 801J)
Junior Statistical Associate, Food Research Institute

At Stanford since 1922.

†Holman, Emile Frederic (23) 112 Walnut, SF-sf (Walnut 4849)
Associate Professor of Surgery

A.B., Stanford, 1911; B.A., Oxford, 1916; M.D., Johns Hopkins, 1918. Casualty House Surgeon, Radcliffe Infirmary, Oxford, 1916–17; Resident Medical Officer, Children's Hospital, Baltimore, 1918–19; Research Fellow, Hunterian Laboratory of Experimental Surgery, 1918–19; Assistant Resident Surgeon, Johns Hopkins Hospital, 1919–21, Resident Surgeon, 1921–23; Instructor in Surgery, Johns Hopkins Medical School, 1920–23; Resident Surgeon, Peter Bent Brigham Hospital, Boston, 1923–24; Austin Teaching Fellow, Harvard Medical School, 1924–25; Assistant Professor of Surgery, Western Reserve University Medical School, 1924–25; Attending Surgeon, Lakeside Hospital, Cleveland, 1924–25. At Stanford since 1925.

†Hoover, Theodore Jesse (123) 37 Salvatierra (PA 2365)
Professor of Mining and Metallurgy, and Dean of the School of Engineering.

A.B., Stanford, 1901. Assayer, Superintendent, Manager, Consulting Engineer, Managing Director, Director, and President of many mining companies in America, Europe, Asia, Africa, and Australia, 1901–19. At Stanford since 1919.

†Hotchkiss, Willard Eugene (1234) 8 Cabrillo (PA 2556)
Dean of Graduate School of Business

Ph.B., Cornell, 1897, A.M., 1903, Ph.D., 1905. Instructor in Political Science, University of Pennsylvania, 1904–5; Assistant Professor of Political Science, Northwestern University, 1905–7, Associate Professor, 1907–9, Professor, 1909–17, 1921–25; Dean, School of Commerce, 1908–17; Professor of Economics and Director of Business Education, University of Minnesota, 1917–19; Acting Professor of Political Science, Stanford University, 1915–16, University of California, Summer Session, 1916; War Labor Counselor, Inland Empire Logging Camps, 1917–18; Secretary, Shipbuilding Labor Adjustment Board, 1918–19; Labor Manager, National Wholesale Tailors' Association, 1919–20; Executive Director, National Industrial Federation of Clothing Manufacturers, since 1920; Educational Adviser, Institute of American Meat Packers, 1923. At Stanford since 1925.

†Hotelling, Harold (1234) Maybell Ave. (PA 4J4)
Junior Associate, Food Research Institute

A.B., University of Washington, 1919, M.S., 1921; Ph.D., Princeton, 1924. Assistant in Mathematics, University of Washington, 1920–21; University Scholar, Uni-

versity of Chicago, Summer Quarter, 1920; J.S.K. Fellow in Mathematics, Princeton University, 1921–22, Instructor, 1922–24. At Stanford since 1924.

HUGGINS, MAURICE LOYAL (123) 330 Stanford Union (PA 2900)
Instructor in Chemistry

A.B., B.S., California, 1919, M.S., 1920, Ph.D., 1922. Assistant in Chemistry, California, 1919–20, University Fellow in Chemistry, 1920–21, Du Pont Fellow, 1921–22; National Research Fellow in Chemistry, Harvard, 1922–23; California Institute of Technology, 1923–25. At Stanford since 1925.

†HULME, EDWARD MASLIN (123) 638 Channing (PA 399M)
Professor of History

A.B., Stanford, 1897; A.M., Cornell, 1902. University Scholar, Harvard University, 1900–1901; Cornell Traveling Scholar at Collège de Sorbonne, 1902; Student in Europe, 1919–20; Instructor in Literature and History, High School, Portland (Ore.), 1897–1900; Assistant Professor of History, University of Idaho, 1902–5, Associate Professor, 1905–6, Professor, 1906–21, Dean of College of Letters and Science, 1917–21; Acting Professor of European History, Stanford University, Winter Quarter, 1918; Professor of European History, University of California, Summer Session, 1918; Professor of European History, University of Chicago, 1919. At Stanford since 1921.

†HUNT, ERNEST PAUL (123) 127 Harriett-p (PA 1834R)
Director of Freshman Sports

A.B., Indiana, 1913. Assistant in Physical Education, Indiana University, 1910–13; Director of Physical Education, Linton (Ind.), 1913–14, Monte Vista (Colo.), 1914–16; Supervisor of Physical Education, Waco (Tex.) Public Schools, 1916–18, Berkeley High School, 1918–21. At Stanford since 1922.

HUSTON, MARGARET DAVIDSON (MRS.) (1234) 21 Salvatierra (PA 644)
Secretary, Committee on Scholarship

Ph.B., University of Chicago, 1903.

†HYDE, JAMES MACDONALD (12) 260 Churchill (PA 768W)
Professor of Metallurgy

A.B., Stanford, 1901. Curator, California State Mining Bureau, 1901–2; Assistant Professor of Mining and Metallurgy, University of Oregon, 1903–6; Metallurgist, Guanajuato Consolidated Mining and Milling Co., Guanajuato (Mexico), 1906; Superintendent, Manhattan Ore Reduction and Refining Company, 1907; Field Agent, Mexican Syndicate, 1910; Consulting Engineer and Independent Operator, 1907–19. At Stanford since 1919.

†ICHIHASHI, YAMATO (123) 7 Salvatierra (PA 1477W)
Associate Professor of Japanese History and Government

A.B., Stanford, 1907, A.M., 1908; Ph.D., Harvard, 1914. Assistant in Economics, Stanford University, 1908–10; Special Agent for U.S. Immigration Commission, 1908–10; Graduate Student, Harvard University, 1910–12, Henry Bromfield Roger Memorial Fellow in Sociology, 1911–12. At Stanford 1908–10, and since 1913.

†INMAN, THOMAS GEORGE (123) 4547 California, SF-sf (Pacific 7036)
Associate Clinical Professor of Medicine (Neurology)

Ph.G., California College of Pharmacy, 1892; M.D., Cooper Medical College, 1894. Assistant Demonstrator of Anatomy, Cooper Medical College, 1895–1900; Instructor in Applied Anatomy, 1900–11; Assistant Surgeon, St. Luke's Hospital, San Francisco, 1906–13; Neurological Institute, Frankfurt-am-Main, 1913; Berlin, Paris, 1914; Visiting Neurologist, St. Luke's Hospital, San Francisco, 1915–21, and since 1924; Lieutenant, U.S.N.R.F., December 1917 to February 1919. At Stanford since 1915.

[†IRVING, LAURENCE 1155 Stanford Ave., Mayfield (PA 827R)
Instructor in Physiology]

A.B., Bowdoin, 1916; A.M., Harvard, 1917; Ph.D., Stanford, 1924. At Stanford since 1924.

JACOBSEN, LYDIK SIEGUMFELDT (123) 525 Forest (PA 1252J)
Instructor in Mechanical Engineering

A.B., Stanford, 1921. Engineering Research with Westinghouse Electric and Manufacturing Company, East Pittsburgh (Pa.), 1921–24. At Stanford since 1924.

†JOHNSTON, ARTHUR M. (1234) 34 Salvatierra (PA 1042J)
Executive Assistant, Food Research Institute

At Stanford since 1923.

†JOHNSTON, OLIVER MARTIN (123) 4 Alvarado (PA 1040R)
Professor of Romanic Languages

A.B., Mississippi College, 1890, A.M., 1892; Ph.D., Johns Hopkins, 1896. Principal, Preparatory Department, Mississippi College, 1890–91, Professor of English, 1891–93; Fellow in Johns Hopkins University, 1895–96; Lecturer in French Philology, Bryn Mawr College, 1896–97; Secretary, Pacific Coast Philological Association, 1909–13, President, 1917; Professor of French, University of California, Summer Session, 1919. At Stanford since 1897.

†JONES, ELIOT (123) 31 Salvatierra (PA 1923M)
Professor of Economics

A.B., Vanderbilt, 1906; A.M., Harvard, 1908, Ph.D., 1913. Instructor in Economics, Harvard University, 1912–13, University of Pennsylvania, 1913–14; Associate Professor of Economics, Iowa State University, 1914–16; Professor of Economics, University of Texas, 1916–17; Federal Trade Commission, 1917; War Industries Board, 1918; Lecturer in Economics, University of California, Summer Session, 1920, 1921; McKinley Professor of Public Utilities, University of Illinois, 1924–25; Lecturer in Economics, University of Chicago, Summer Quarter, 1925. At Stanford since 1917.

KATZ, LOUISE WALDMAN (4) 1 Salvatierra (PA 1025)
Cataloguer, Hoover War Library

B.S., Cornell, 1900. Graduate work in History, Cornell University, 1900–1901; Student, New York State Library School, Albany (N.Y.), 1901–3; Cataloguer, University of California, 1903–11; Special Cataloguer, University of Illinois, 1913–14; Catalogue Reviser, University of Minnesota, 1914–16; Cataloguer, Lane Medical Library, 1917–20; Catalogue Reviser and Classifier, University of Minnesota, 1920–21. At Stanford 1916–17, and since 1921.

†KAY, WILLARD E. (123) 2595 Clay, SF-sf (Fillmore 8639)
Clinical Instructor in Medicine

A.B., Stanford, 1912, A.M. (in Medicine), 1915, M.D., 1916. Junior and Senior Interneships, Lane Hospital, 1916–18; U.S.A. Medical Corps (Base and General Hospitals), 1918–20; U.S. Public Health Service (P.A. Surgeon), 1920–22. At Stanford 1913–14, and since 1923.

†KELIHER, JOHN (123) 680 Sutter, SF-sf (Franklin 5005)
Assistant Professor of Military Science and Tactics (Field Artillery)

Graduate, United States Military Academy, 1915.

†KELLEY, KENNETH KEITH (1234) 445 Homer-Box 425, p (PA 824W)
Instructor in Mathematics

A.B., Stanford, 1923, A.M., 1925, Ph.D., 1926. At Stanford since 1923.

†KELLEY, TRUMAN LEE (123) 1 San Juan (PA 1646)
Professor of Education

A.M., Illinois, 1911; Ph.D., Columbia, 1914. Consulting Psychologist, Culver Military Academy, 1913–14; Adjunct Professor of Educational Psychology, University of Texas, 1914–17; Assistant Professor of Education, Teachers' College, Columbia University, 1917–21; engaged in Psychological and Statistical Work for Surgeon General's Office, Adjutant General's Office, and for Committee on Education and Special Training, 1917–18; Chief Statistician, Elementary School Intelligence Examination Board of National Research Council, Summer, 1918. At Stanford since 1921.

†KELLY, THOMAS HENSHAW (123) 2936 Divisadero, SF-sf (Fillmore 5518)
Clinical Instructor in Medicine

M.D., University of Cincinnati, 1914. Interne, Cincinnati General Hospital, 1914–15; Instructor in Medicine (full-time), University of Cincinnati, 1915–19; Medical Director, St. Francis Hospital, San Francisco, 1920; First Lieutenant, Captain, Major, M.C., U.S.A., 1917–19. At Stanford since 1921.

†KENNEDY, ARTHUR GARFIELD (123) 435 Coleridge (PA 1901M)
Assistant Professor of English Philology

A.B., Doane College, 1902; A.M., Nebraska, 1905; Ph.D., Stanford, 1914. Teacher, Chadron (Nebr.) Academy, 1902–4, Norfolk (Nebr.) High School, 1905–8; Instructor in German and English, Spearfish (S.D.) State Normal School, 1908–12. At Stanford since 1914.

†KENNEY, WILLIAM (123) 1379 Sixth Ave., SF-sf (Sunset 1310)
Clinical Instructor in Medicine

M.D., California, 1905. Resident Physician, St. Luke's Branch Hospital, 1906–8; Resident Physician, Relief House, 1908–14. Assistant in Medicine, Stanford Medical School, 1914–16, and since 1917.

†KERR, ANDREW (123) 835 Middlefield-p (PA 1504J)
Assistant Director of Football, and Director of Basketball

Ph.B., Dickinson, 1900. Instructor in Coaching, University of Pittsburgh, 1914–22. At Stanford since 1922.

KERR, PAUL F. (4) Ventura-v
Acting Assistant Professor of Geology (Summer Quarter)

B.S., Occidental, 1919; Ph.D., Stanford, 1923.

†KIBBY, IRA WESLEY (4) Stanford University
Lecturer in Education (Summer Quarter)

A.B., Colorado State Teachers College, 1918; A.M., Stanford, 1923. Instructor and Vice-Principal, Red Bluff High School, 1909–15; Principal, Pomona Junior High School, 1915–17; Instructor, Colorado State Teachers College, Summer, 1918; Assistant District Vocational Officer, District 12, Federal Board for Vocational Education, 1918–21; Principal, San Bernardino High School, 1924–25; State Supervisor of Rehabilitation, California, since 1925.

†KILE, ROBERT FRANCIS (1) 6625 California, SF-sf (Bayview 4318)
Instructor in Medicine (Radiology)

M.D., University of Pennsylvania, 1919. Assistant Surgeon, U.S.P.H.S., 1919–21. At Stanford since 1921.

†KINDY, WARD B. (123) 566 Everett-p (PA 1384W)
Assistant Professor of Electrical Engineering

B.E.E., Ohio State, 1916. Electrical Inspector, U.S. Army Signal Corps, 1916–17; Aerial Gunnery Instructor, U.S. Naval Air Station, Key West, 1918; Instructor in Electrical Engineering, Iowa State College, 1920–21. At Stanford since 1921.

†KINGSTON, JOHN JOSEPH (123) 231 Thirty-second Ave., SF-sf
Clinical Instructor in Medicine (Pediatrics) [(Bayview 5670)

M.D., California, 1921. Interne, University Hospital, 1920–21; Assistant in Pediatrics, University Hospital, 1921–22. At Stanford since 1923.

†KIRKWOOD, MARION RICE (123) 249 Lowell (PA 1345J)
Professor of Law, and Dean of the Law School

A.B., Stanford, 1909, J.D., 1911; LL.D., University of Southern California, 1926. Student, Harvard Law School, 1909–10; Assistant Professor of Law, University of Oklahoma, 1911–12. At Stanford since 1912.

†KROLL, FREDERICK WALTER (123) 1242 Washington, SF-sf (Prospect 2300)
Clinical Instructor in Medicine

M.D., Cooper Medical College, 1912. Assistant, Obstetrics and Gynecology, 1914; Instructor, Materia Medica, Lane Hospital, 1913–14; Assistant in Medicine, 1920–22; Captain, M.R.C., U.S.A., 1916–18. At Stanford, 1913–14, 1916–17, and since 1919.

LANDIS, MAUDE (1234) 2340 Clay, SF-sf (West 6193)
Superintendent of Nurses, and Professor of Nursing

A.B., Kansas, 1917; Graduate, Scarritt Hospital Training School, 1900. Graduate Study, Presbyterian Hospital, Chicago, 1905; Graduate Study, Department of Nursing and Public Health, Columbia University, 1917; Superintendent of Hospitals and Training Schools, 1901–17; Member Missouri State Board of Examination and Registration of Nurses, 1909–14; Educational Director, Lakeside Hospital Training School, Cleveland (Ohio), 1917–18; Director, Connecticut Training School for Nurses, in affiliation with Yale University Medical School, 1918–21. At Stanford since 1921.

†LANGNECKER, HARRY LESLIE (1234) 1711 Webster-p (PA 854)
Associate Clinical Professor of Surgery (Orthopedics)

A.B., Stanford, 1901; M.D., Johns Hopkins, 1906. Orthopedic House Officer, Massachusetts General Hospital, 1908, Assistant in Orthopedic Out-Patient Department, 1909–10, Assistant Resident Physician, 1911–13, Assistant to Orthopedic Surgeon-in-Chief, 1913–15; Lieutenant, M.C., U.S.N.R.F., April 1917 to March 1919. At Stanford since 1915.

†LANZ, HENRY (134) 786 Melville-p (PA 509)
Instructor in Slavic Languages

Ph.D., Heidelberg, 1911. Student, Imperial University, Moscow, 1904–6, Heidelberg, 1906–11; Instructor-elect in Logic, Reform Gymnasium, and Lecturer in Aesthetics, Beethoven School of Music, Moscow, 1914. At Stanford since 1918.

LAPE, FREDERICK (123) 19 Salvatierra (PA 964J)
Instructor in English

A.B., Cornell, 1921. At Stanford since 1923.

LAYMAN, MARY H. (123) 2582 Filbert, SF-sf (Fillmore 1953)
Assistant Clinical Professor of Medicine (Pediatrics)

M.D., Ludwig-Maximilian University, Munich, 1913. Assistant, Medical and Pediatric Clinic, Munich, 1915–16; Assistant, Pediatric Clinic, Stanford Medical School, since 1917; Assistant Visiting Physician, Pediatrics, San Francisco Hospital, 1918–20. At Stanford since 1917.

†LEE, RUSSELL VON ARSDALE (123) 320 Embarcadero (PA 2210)
Clinical Instructor in Therapeutics

B.S., California, 1917; M.D., Stanford, 1920. At Stanford since 1921.

LEE, RUTH DORINDA TOLDERVY (1234) 1 Salvatierra (PA 1025)
Secretary to Dr. Alsberg, Food Research Institute

A.B., Stanford, 1922. At Stanford since 1925.

†LEMOS, PEDRO J. (1234) 460 Churchill (PA 396J)
Director of the Museum and Art Gallery

Assistant Professor of Etching and Lettering, University of California, 1910–11, Professor of Design and Applied Arts, 1911–12; Director of San Francisco Institute of Art, 1912–17; Exhibitor, Pennsylvania Academy of Fine Arts, Carnegie Institute, Pittsburgh, Brooklyn Museum of Fine Arts, Chicago Art Institute, New York Galleries, Panama-Pacific International Exposition; editor of the *School Arts Magazine*. At Stanford since 1917.

LENOX, LIONEL REMOND (123) 73 N Sixth, San José
Professor of Analytical Chemistry

Ph.B., Columbia, 1888. Assistant Chemist, Bethlehem Steel Co., 1887; Instructor in Chemistry, Lehigh University, 1888–91; Chemist, Ordnance Department, U.S.N., Washington (D.C.), 1891–92; Chief Chemist, Conkling Iron Co., 1888–92; Chemist, Allan Cement Co., 1890–91. At Stanford since 1892.

†LESLEY, EVERETT PARKER (123) 18 Alvarado (PA 1570)
Professor of Mechanical Engineering

A.B., Stanford, 1897; M.M.E., Cornell, 1905. Apprentice and Foreman in Union Iron Works, San Francisco, 1897–1903; Assistant Inspector to Naval Constructor, 1903–4; Draftsman at U.S. Experimental Model Basin, Washington (D.C.), 1905–7. At Stanford since 1907.

LEWIS, JOHN KENT (1234) Lane Hospital, SF-sf (West 6193)
Clinical Instructor in Medicine

A.B., Stanford, 1918, M.D., 1922. Junior Interne, Lane Hospital, 1921–22; Resident in Medicine, Lane Hospital, 1923–25. At Stanford since 1924.

[LEWIS, WINFORD LEE
Professor of Chemistry]

A.B., Stanford, 1902; A.M., University of Washington, 1904; Ph.D., University of Chicago, 1909. Assistant in Chemistry, University of Washington, 1902–3, Instructor, 1903–4; Professor of Chemistry, Morningside College, 1904–6; Fellow in Chemistry, University of Chicago, 1906–8; Assistant Chemist, U.S. Department of Agriculture, 1908–9; Instructor in Chemistry, Northwestern University, 1909–13; City Chemist, Evanston (Ill.), 1912–18; Assistant Professor of Chemistry, Northwestern University, 1913–17; U.S. Chemical Warfare Service, 1918–19; Associate Professor of Chemistry, Northwestern University, 1917–19; Professor and Head of the Department of Chemistry, Northwestern University, 1919–1925; Professor of Organic Research, Northwestern University, since 1925; Director of the Department of Scientific Research, Institute of American Meat Packers, since 1924.

†LIGGETT, JAMES BENNETT (123) 760 Waverley-p (PA 824J)
Teaching Specialist in Foundry Practice

Apprentice and Foundry Molder, Falls Rivet and Machine Co., Cuyahoga Falls (Ohio), 1883–88, Webster, Camp & Lane, Akron (Ohio), 1888–93, Bowler & Co., Cleveland (Ohio), 1893–98, Cleveland Steel Casting Co., 1898–99; Foreman, Born Steel Range Co., Cleveland (Ohio), 1899–1902, Westinghouse Electric Co., Cleveland (Ohio), 1902. At Stanford since 1902.

†LITOSHENKO, LEON NICOLAEBICK (4) 333 Kipling-p
Lecturer in History (Summer Quarter)

LOTHROP, MARGARET MULFORD (234) 215 Santa Ynez (PA 2335)
Instructor in Economics

A.B., Smith, 1905; A.M., Stanford, 1915. At Stanford since 1915.

†LOVELL, HOWELL (123) 825 Lakeshore, Oakland-o (Glencort 1415)
Lecturer in Legal Medicine

Member of the San Francisco Bar.

†LUTTRELL, PETER HARRISON (123) 2617 Sacramento, SF-sf (West 7619)
Clinical Instructor in Medicine

M.D., Cooper Medical College, 1908. Interne, Lane Hospital, 1908–9; Assistant, Medical Clinic, Cooper Medical College, 1908–12, Instructor in Physical Diagnosis, 1909–10; Assistant, Medical Clinic, Stanford Medical School, 1912–14. At Stanford, 1918–20, and since 1921.

†LUTZ, HARLEY LEIST (123) 1400 Webster-p (PA 1028)
Professor of Economics

A.B., Oberlin, 1907; A.M., Harvard, 1908, Ph.D., 1914. Professor of Economics, Oberlin College, 1909–23, Head of Department, 1914–23; Economic Adviser, Joint Taxation Commission, Ohio General Assembly, 1919. At Stanford since 1923.

LUTZ, RALPH HASWELL (123) 2 Stanford Union (PA 2900)
Associate Professor of History

A.B., Stanford, 1906; LL.B., Washington, 1907; Ph.D., Heidelberg, 1910. Student, Universities of California (summer, 1906), Bonn and Heidelberg (1907–10), Berlin (summer, 1913); Instructor in History, University of Washington, 1911–16, Assistant Professor, 1916–20; Lecturer in European History, Stanford University, 1915–16. At Stanford, 1915–16, and since 1920.

†LYON, LEONARD SAXTON (123) 708 National City Bank Bldg., [Los Angeles-la (Faber 3160)
Lecturer in Law

A.B., Stanford, 1918.

MCCLANAHAN, MARGARET HOPE (123) 2340 Clay, SF-sf (West 6193)
Instructor in Practice of Nursing

A.B., Cornell University, 1916. At Stanford since 1924.

MCCRACKEN, MARY ISABEL (13) 1 Arguello (PA 1127W)
Associate Professor of Entomology

A.B., Stanford, 1904, A.M., 1905, Ph.D., 1908. Student, Paris and London, 1912–13. At Stanford since 1904.

†MCCORMAC, EUGENE IRVING (4) 1404 Hawthorne Terrace, Berkeley-b
Acting Professor of History (Summer Quarter)

B.S., Upper Iowa University, 1896; Ph.D., Yale, 1901. Instructor in History, Northwestern University, 1901–2; Professor of History, College of the Pacific, 1902–3; Instructor in American History, University of California, 1903–10, Assistant Professor, 1910–14, Associate Professor, 1914–19, Professor, since 1919.

†MCDOWELL, JOHN EZRA (1234) Los Altos (LA 56)
Academic Secretary, and Alumni Secretary

A.B., Stanford, 1900. At Stanford since 1900.

MCEUEN, EARL HARRY (123) 855 Waverley-p (PA 1699)
Instructor in English

A.B., Willamette University, 1922; A.M., Harvard, 1925. At Stanford since 1925.

†MCFARLAND, FRANK MACE (1234) 2 Cabrillo (PA 480)
Professor of Histology

Ph.B., De Pauw, 1889; A.M., Stanford, 1893; Ph.D., Würzburg, 1896. Professor of Biology and Geology, Olivet College, 1889–92; Student, Würzburg, Zürich, and Naples, 1894–96. At Stanford since 1892.

†MCKEE, ALBERT BROWN (1234) Woodside-RFD, rc (Redwood 1704F4)
Clinical Professor of Surgery (Ophthalmology)

Ph.B., University of the Pacific, 1883, Ph.M., 1886; M.D., Cooper Medical College, 1886. Instructor and Acting Head of the Eye, Ear, Nose, and Throat Division, University of California Medical Department, 1902–8; Associate Professor of Ophthalmology, Cooper Medical College, 1908–12. At Stanford since 1912.

MCKENDRY, MARION (1234) 201 Santa Ynez (PA 2141W)
Secretary, Law School

At Stanford since 1915.

†MCLAUGHLIN, ROY PARMELEE (123) 902 Wright-Callender Bldg., Los Angeles-la (Trinity 847)
Lecturer in Oil Technology and Petroleum Engineering

A.B., Stanford, 1902, Engineer, 1915. Assistant Engineer, North Star Mines Co., Grass Valley (Calif.), 1904; Engineer, Consolidated Mining Co., Bodie, 1905–6, Mono Lake Railway and Lumber Co., 1907; Geologist, Associated Oil Co., San Francisco, 1908–15; Chief of Petroleum Department, California State Mining Bureau, 1913–15; California State Oil and Gas Supervisor, 1915–20; Consulting Petroleum Engineer and Geologist, 1921–22. At Stanford since 1922.

†McMurphy, James Ira Wilson (234) 341 Columbia
Assistant Professor of Botany

A.B., Stanford, 1908, A.M., 1909. At Stanford since 1908.

†McNaught, Harvard Young (123) 156 Twenty-first Ave., SF-sf (Bayview 584)
Associate Clinical Professor of Surgery (Otology, Rhinology, Laryngology)

M.D.,C.M., Trinity University, 1897. Fellow by Examination, Trinity Medical College, 1897; Assistant, Ear, Nose, and Throat Clinic, Cooper Medical College, 1911–12. At Stanford since 1913.

Mahr, August Carl (123) 19 Salvatierra
Assistant Professor of German

Ph.D., Heidelberg, 1911; Oberlehrer-Examen, Karlsruhe, 1912. Instructor in German, Sheffield Scientific School, Yale University, 1912–14; Director of the Zentralstelle für Kulturelle Arbeiten in Rüstungen and Editor of *Die Tide,* 1918–21; Teacher of English, German, and History of Art, Bergschule Hochwaldhausen, 1921–23. At Stanford since 1924.

[†Maloney, Henry Wilfred 1102 Guinda (PA 696)
Associate Director of Encina Gymnasium]

Military Gymnastic School, Dublin, Ireland, 1899; Physical Instructor, British Army, 1899–1900; British War Service, South Africa, 1901–2; Gymnastic School, Pasadena, 1904–8; Captain and Athletic Officer, A.E.F., 1917–18; Track Coach and Trainer, U.S. Track Team, Inter-Allied Games, Paris, France, 1919; Trainer and Rugby Commissioner, Rugby Teams, Olympic Games, Antwerp, Belgium, 1920; President, California Rugby Union, since 1920; Western Representative, National (Soccer) Football Association, 1922. At Stanford since 1908.

†Manning, William Albert (1234) 27 Alvarado (PA 2326)
Professor of Mathematics

A.B., Willamette University, 1900; A.M., Stanford, 1902, Ph.D., 1904. Student, University of Paris, 1904–5; Acting Assistant Professor of Mathematics, University of Illinois, 1909–10. At Stanford since 1900.

†Manwaring, Wilfred Hamilton (124) 364 Kingsley-p (PA 1509)
Professor of Bacteriology and Experimental Pathology

B.S., Michigan, 1895; M.D., Johns Hopkins, 1904. Fellow and Assistant in Pathology, University of Chicago, 1904–5; Associate Professor of Pathology and Bacteriology, Indiana University, 1905–7; Traveling Fellow, Rockefeller Institute, 1907–8, Wassermann's Laboratory, Berlin, 1907–8, Ehrlich's Laboratory, Frankfort-on-Main, 1908–9, Physiological Institute, London, 1909–10; Assistant in Pathology, Rockefeller Institute, 1910–13; Lecturer in Functional Pathology, Washington University Medical School, 1920–21. At Stanford since 1913.

†Martin, Ernest Gale (123) 1525 Waverley (PA 1985)
Professor of Physiology

Ph.B., Hamline, 1897; Ph.D., Johns Hopkins, 1904. Assistant in Biology, Hamline University, 1896–97; Fellow in Physiology, Johns Hopkins University, 1902–3; Instructor in Physiology, Purdue University, 1904–6; Instructor in Physiology, Harvard University, 1906–10, Assistant Professor, 1910–16; Lecturer in Physiology, Simmons College, 1907–8; Sargent School for Physical Education, 1906–14; Assistant Professor of Physiology, Radcliffe College, 1914–16; Research Physiologist (temporary), U.S. Public Health Service, 1917–20; Member Sub-Committee on Industrial Fatigue, Advisory Commission to Council of National Defense, 1917. Captain, Sanitary Corps, U.S.A., 1918–19. At Stanford since 1916.

†Martin, Ernest Whitney (123) 525 Lincoln (PA 1580W)
Associate Professor of Classical Literature

A.B., Chicago, 1900; A.M., Stanford, 1902, Ph.D., 1910. Instructor in Latin and Greek, Private School, Clarinda (Iowa), 1895–96, Principal of High School, 1896–

98; Student, University of Berlin and American School of Classical Studies, Rome, 1900–1901; Acting Professor of Latin and Greek, University of Nevada, 1908–9, Professor of Greek, 1909–10. At Stanford since 1901.

[†Martin, Percy Alvin 29 Salvatierra (PA 1923J)
Professor of European History]

A.B., Stanford, 1902, A.M., 1903; A.M., Harvard, 1907, Ph.D., 1912. Student, University of Paris, 1903–4, Universities of Berlin and Leipzig, 1907–8; Fellow, Harvard University, 1908; Professor of History and French, Whittier College, 1904–5; Lecturer in Latin-American History, Harvard University, 1915; Lecturer in South American History and Institutions, University of Washington, Summer Session, 1916. At Stanford since 1908.

†Marx, Guido Hugo (123) 356 Lincoln (PA 715)
Professor of Machine Design

M.E., Cornell, 1893. With Gleason Tool Co., Rochester (N.Y.), 1893–94; with Bement, Miles & Co., Philadelphia, 1894–95. At Stanford since 1895.

†Masters, Alfred Richard (1234) 1005 Parkinson (PA 2126M)
General Manager, Board of Athletic Control

A.B., Stanford, 1924. At Stanford since 1925.

†Maynard, Merlin T. R. (123) 571 N. Seventeenth, San José-sj [(SJ 7876J)
Clinical Instructor in Medicine (Cutaneous Diseases)

A.B., Stanford, 1919; M.D., Washington University, 1922. Interne, Lane Hospital, 1922–23; Assistant Visiting Dermatologist, San Francisco Hospital, 1924–25, Visiting Dermatologist, 1925–26. At Stanford since 1924.

†Mears, Eliot Grinnell (123) 23 Salvatierra (PA 1500)
Lecturer in Economics, and Acting Professor of Graduate School of Business

A.B., Harvard, 1910, M.B.A., 1912. Secretary and Instructor, Harvard Graduate School of Business Administration, 1912–16; Chief, Foreign Service Division, and later American Trade Commissioner in the Near East, United States Bureau of Foreign and Domestic Commerce, since 1916; Commercial Attaché to American High Commission in Turkey, 1919–20; Economist, Harbord Military Mission to Armenia and Transcaucasia, 1919; Permanent Secretary, Pan-Pacific Commercial Conference, Hawaii, 1922; Secretary, Survey of Race Relations, since 1924. At Stanford since 1920.

†Mehrtens, Henry George (1234) 2101 California, SF-sf (Fillmore 6196)
Associate Professor of Medicine (Neurology)

B.S., California, 1911; M.D., Stanford, 1913. Senior House Officer, Lane Hospital, 1914–15; Assistant in Medicine (Neurology), Stanford, 1915–16, 1916–17; House Physician, Lane Hospital, since 1915. At Stanford since 1915.

Mentzer, Mary Jones (Mrs.) (123) Colonial Hotel, SF-sf (Sutter 3560)
Clinical Instructor in Medicine

M.D., Woman's Medical College, Pennsylvania, 1905. Resident Physician, Sheltering Arms, Philadelphia, 1906–8, San Francisco Polyclinic, 1916–18, 1919–20; on Active Staff, Arequipa Sanatarium, 1916–23, Consultant, 1923. At Stanford since 1921.

Merrill, Maud Amanda (234) 30½ Alvarado (PA 2180)
Assistant Professor of Psychology

A.B., Oberlin, 1911; A.M., Stanford, 1920, Ph.D., 1923. At Stanford since 1920.

†Meyer, Arthur William (123) 121 Waverley (PA 1225)
Professor of Anatomy

B.S., Wisconsin, 1898; M.D., Johns Hopkins, 1905. Assistant and Instructor in Anatomy, Johns Hopkins University, 1905–7; Assistant Professor of Anatomy,

University of Minnesota, 1907–8; Professor of Anatomy, Northwestern University, 1908–9; Research Associate, Carnegie Institution, 1917–18. At Stanford since 1909.

MEYRICK, GERALDINE (1234) 128 Kingsley (PA 1929J)
Secretary to Director of Summer Quarter and to Endowment Secretary
At Stanford since 1921.

MILES, WALTER RICHARD (234) 245 Gerona Road (PA 1731W)
Professor of Experimental Psychology
A.B., Earlham, 1908; A.M., Iowa, 1910, Ph.D., 1913. Instructor in Psychology and Education, Penn College, 1908–10; Scholar in Education, University of Iowa, 1909–10, Fellow and Assistant in Psychology, 1910–12; Associate Professor of Psychology, Wesleyan University, 1913–14; Psychologist at Nutrition Laboratory of Carnegie Institution of Washington, Boston (Mass.), 1914–22. At Stanford since 1923.

†MILLER, R. JUSTIN (4) Kingscote (PA 860J)
Acting Professor of Law (Summer Quarter)
A.B., Stanford, 1911; LL.B., University of Montana, 1913; J.D., Stanford, 1914. Assistant Instructor in Law, University of Montana, 1912; Instructor in English, Stanford, 1913–14. Engaged in practice, 1914–21; Lecturer, University of California, Summer Session, 1920; Professor of Law, University of Oregon, 1921–23; Professor of Law, University of Minnesota, since 1923.

MILLER, ROBERT CUNNINGHAM (4) Hopkins Marine Station, Pacific Grove-pg
Acting Assistant Professor of Zoölogy (Summer Quarter)
A.B., Greenville, 1920; A.M., California, 1921, Ph.D., 1923. Fellow in Zoölogy, California, 1920–21; Research Associate, 1923–24; Assistant Professor of Zoölogy, University of Washington, since 1924.

†MILLER, ROLAND MCLEOD (123) 818 Cowper-p (PA 878R)
Instructor in Citizenship
A.B., British Columbia, 1916; A.M., California, 1920. Assistant Professor of Economics, University of Oregon, 1921–24. At Stanford since 1924.

MILLIKEN, MARGARET F. (1234) University Park
Junior Statistical Associate, Food Research Institute
A.B., Vassar, 1922.

†MILLS, LOUIS DAVID (123) 215 Coleridge-p (PA 1788)
Lecturer in Metallurgy of Gold and Silver
A.B., Stanford, 1901.

MIRRIELEES, EDITH RONALD (123) 4 Lasuen (PA 1746J)
Assistant Professor of English
A.B., Stanford, 1907. At Stanford since 1909.

†MITCHELL, JOHN PEARCE (1234) 235 Embarcadero (PA 722)
Registrar, and Professor of Chemistry
A.B., Stanford, 1903, A.M., 1904, Ph.D., 1909. Student, University of Leipzig, 1904–5. At Stanford, 1903–4, and since 1905.

†MOORE, ARTHUR RUSSELL (4) 112½ Fifteenth, Pacific Grove-pg
Acting Professor of Physiology (Summer Quarter)
A.B., Nebraska, 1904; Ph.D., California, 1911. Assistant Professor, University of California, 1911–13; Associate Professor, Bryn Mawr, 1913–16; Lecturer in Physiology, Marine Biological Laboratory, Woods Hole (Mass.), 1916–20; Professor of Physiology, Rutgers College, 1916–24; Professor of Physiology and Biochemistry, Rutgers University, since 1924.

†Moreno, Halcott Cadwalader (123) 12 Mirada (PA 2269W)
Professor of Engineering Mathematics

A.B., University of Georgia, 1893, A.M., 1894, B.L., 1896; Ph.D., Clark, 1900. Tutor in Mathematics, University of Georgia, 1893–97; Scholar and Fellow in Mathematics, Clark University, 1897–1900, Assistant in Mathematics, 1900–1901. At Stanford since 1901.

Morgan, Theodore Harding (123) 243 Waverley (PA 1757J)
Instructor in Electrical Engineering

A.B., Stanford, 1920. At Stanford since 1922.

†Morrison, Stanley (123) 663 Lowell (PA 2355J)
Associate Professor of Law

A.B., Yale, 1915; LL.B., Harvard, 1919. At Stanford since 1924.

†Morse, Harry Wheeler (123) Menlo Heights (PA 798J)
Acting Professor of Metallurgy

A.B., Stanford, 1897; Ph.D., Leipzig, 1902. Instructor and Assistant Professor of Physics, Harvard University, 1902 12; Lecturer in Chemistry, University of California, 1912–13; Consulting Chemist and Metallurgist since 1913.

†Moser, Charles (123) 651 Homer (PA 2287)
Associate Professor of Civil Engineering

C.E., Ohio Northern University, 1902; A.B., Stanford, 1908. At Stanford since 1908.

Mosher, Clelia Duel (123) 3 Cabrillo (PA 32)
Associate Professor of Personal Hygiene, and Medical Adviser of Women

A.B., Stanford, 1893; A.M., 1894; M.D., Johns Hopkins, 1900. Assistant in Hygiene and Physical Training, Stanford University, 1893-94, Instructor, 1894–96; Externe in the Johns Hopkins Hospital Dispensary, and Gynecological Assistant in Dr. Howard A. Kelly's Sanatorium, Baltimore (Md.), 1900–1901; Physician, Palo Alto, 1901–10. At Stanford, 1893–96, and since 1910.

Murchie, Maude Irene (4) Stanford University
Lecturer in Education (Summer Quarter)

B.S., Teachers College, Columbia University, 1909. Instructor in Home Economics, Oakland, 1909–10; Director, Household Arts Department, San José State Normal School, 1910–18; Director, Domestic Art Department, University of California, Summer Sessions, 1913, 1914, 1915; State Supervisor of Teacher-Training Courses in Home Economics, California, since 1918.

†Murray, Augustus Taber (234) 1019 Bryant (PA 2065)
Professor of Classical Literature

A.B., Haverford, 1885; Ph.D., Johns Hopkins, 1890. Fellow in Johns Hopkins University, 1887–88; Professor of Greek, Earlham College, 1888–90; Student, Universities of Leipzig and Berlin, 1890–91; Professor of Greek, Colorado College, 1891–92. At Stanford since 1892.

Murray, Margaret (1234) 1011 Fulton (PA 1219J)
Secretary to the Comptroller

At Stanford since 1916.

Nagel, Laura Ingeborg (1234) Los Altos (LA 126J)
Recorder, Registrar's Office

A.B., Stanford, 1904, A.M., 1905. At Stanford, 1908–9, and since 1919.

†Newell, Robert Reid (1234) 772 Fifteenth Ave., SF-sf
Assistant Professor of Medicine (Radiology)

M.D., California, 1916. Assistant in Medicine, University of California Medical School, 1917. At Stanford since 1920.

†Norton, Oliver Edward (1234) 136 Middlefield-p (PA 590R)
Instructor in English (Public Speaking)

A.B., College of the Pacific, 1921. Instructor in Public Speaking, College of the Pacific, 1921–23, Assistant Professor, 1923–24. At Stanford since 1924.

Nye, Helena May (123) 281 Addison (PA 670J)
Instructor in German

A.B., Stanford, 1905, A.M., 1908. At Stanford since 1921.

†O'Donoghue, Charles Henry (34) 226 Willow, Pacific Grove-pg
Acting Professor of Zoölogy (Summer Quarter) [(Monterey 673)

B.Sc., King's, London, 1908; D.Sc., University College, London, 1912. Board of Education 3 Years' Diploma, 1908; A.K.C., 1908; Life Member, General Committee British Association, 1910; F.Z.S., 1910; Beit Memorial Fellow, 1912; Fellow of University College, 1914; F.R.S.C., 1922; Assistant, University College, 1908–12; University of Freiburg, 1913; Senior Assistant, University College, 1913–18; Sub-Dean, Faculty of Science, University College, 1915–18; Professor of Zoölogy, University of Manitoba, since 1918; First Exchange Lecturer, Saskatchewan and Alberta, 1920; Director, Pacific Biological Station, Summer, 1923.

†Oliver, Harry Reeves (123) 2749 Union, SF-sf (Fillmore 6141)
Lecturer in Public Health and Preventive Medicine

M.D., Cooper Medical College, 1898. Assistant in Pathology, Cooper Medical College, 1898–1904, Instructor, 1904–6, Assistant Professor, 1906–11, Associate Professor of Clinical Pathology, 1911–12, Serologist, since 1912; Major, M.C., U.S.A. At Stanford since 1909.

†Oliver, Jean Redman (1234) 1246 Lombard, SF-sf (Franklin 3191)
Professor of Pathology

A.B., Stanford, 1911, M.D., 1914. Assistant in Pathology and Bacteriology, Rockefeller Institute for Medical Research, 1916–18, Associate, 1919; First Lieutenant and Major, M.C., U.S.A., Camp Meade (Md.); Group Laboratory Officer, Justice Hospital Group, Toul, France; Detailed on Medical History of the War, Central Medical Department Laboratory, Dijon, France, and Surgeon General's Office, Washington (D.C.), 1917–19. At Stanford, 1914–16, and since 1919.

†Olsen, Louis S. (4) 321 Fulton-p (PA 478R)
Instructor in Public Health (Summer Quarter)

A.B., Stanford, 1914, Engineer, 1915. Health Officer, Palo Alto, since 1917.

†O'Neill, Arthur Aloysius (123) 756 Page, SF-sf (Park 6916)
Assistant Clinical Professor of Medicine (Pediatrics)

M.D., Cooper Medical College, 1891. Assistant Surgeon, Cooper Medical College Clinic, 1893; Assistant in Diseases of the Skin, San Francisco Polyclinic, since 1902; in charge of Isolation and Plague Hospitals, 1907–10, of Isolation Hospital, 1912; Consultant, U.S.P.H. Reserve, Communicable Diseases, 1919. At Stanford since 1913.

Ophüls, Louise (1234) 2211 California, SF-sf (Fillmore 2461)
Librarian, Lane Medical Library

At Stanford since 1910.

†Ophüls, William (1234) 2398 Sacramento, SF-sf (Walnut 1741)
Dean of the Medical School, and Professor of Pathology

M.D., University of Göttingen, 1895. Assistant at the Pathologic Institute at Göttingen, 1896–97; Professor of Pathology and Bacteriology, University of Missouri, 1897–98; Professor of Pathology and Bacteriology, Cooper Medical College, 1898–1912; Pathologist, Lane Hospital, since 1898; Instructor in Pathology, Training School for Military Officers, U.S.A., March to December, 1918. At Stanford since 1909.

†OSBORNE, GEORGE EDWARD (123) 25 Cabrillo (PA 2386W)
Professor of Law

A.B., California, 1916; LL.B., Harvard, 1919, S.J.D., 1920. Assistant Professor of Law, West Virginia University, 1920–21; Acting Assistant Professor of Law, Stanford University, Summer Quarter, 1921; Assistant Professor of Law, University of Minnesota, 1921–23; Acting Professor of Law, Columbia University, Summer Session, 1923. At Stanford since 1923.

†OWEN, ARTHUR LESLIE (4) 3 Stanford Union (PA 2900)
Acting Professor of Romanic Languages (Summer Quarter)

A.B., Vermont, 1906; A.M., Illinois, 1909. Assistant in Romance Languages, University of Illinois, 1908–10; Assistant Professor of Romance Languages, University of Kansas, 1910–13; Instructor in Romance Languages, University of Chicago, 1913–14; Associate Professor of Romance Languages, Kansas, 1914–18, Professor of Spanish and Chairman of Department of Spanish and Portuguese, since 1918; Acting Professor of Romance Languages, University of Iowa, Summer Quarter, 1925.

OWEN, LILLIAN CAROLINE (1234) 727 Bryant (PA 1514)
Secretary, Graduate School of Business

A.B., Stanford, 1920. Executive Assistant to Appointment Secretary, Stanford University, 1922–25. At Stanford since 1922.

†OWENS, WILLIAM BROWNLEE (123) 19 Alvarado (PA 1170W)
Professor of Law

LL.B., Stanford, 1915. At Stanford, 1915–16, and since 1920.

†PALMATEER, THERON J. (123) 1028 Cowper-p (PA 1679J)
Teaching Specialist in Machine Shop Practice

Apprentice with Sibley & Ware, South Bend (Ind.); Journeyman Machinist, 1896–1905, with R. Hoe & Co., New York, Columbus Machine Works, Columbus (Ohio), Elems Engineering Works, Chicago, Western Gas Engine Works, Mishawaka (Ind.), Webster Iron Works, Bakersfield (Calif.), R. S. Hunkins, San Jose (Calif.). At Stanford since 1904.

PALMER, CAROLINE BELL (123) 2401 Sacramento, SF-sf (West 6523)
Associate Clinical Professor of Surgery (Anæsthetics)

M.D., Cooper Medical College, 1906. Chief Anæsthetist, Lane Hospital, since 1909. At Stanford since 1916.

†PARISH, SAMUEL BONSALL (123) 1668 Scenic Ave., Berkeley-b
Lecturer on California Botany

Honorary Curator of the Herbarium, University of California.

†PARK, CHARLES V. (1234) 1080 Emerson-p (PA 1188W)
Assistant Librarian

A.B., Stanford, 1909. Certificate, New York Public Library, Library School, 1915. At Stanford since 1909.

PARKS, GEORGE SUTTON (123) 151 Waverley-p (PA 520J)
Assistant Professor of Chemistry

B.S., Washington, 1915, M.S., 1916; Ph.D., California, 1919. Instructor in Chemistry, California Institute of Technology, 1919–20. At Stanford since 1920.

†PEIRCE, GEORGE JAMES (123) 281 Embarcadero (PA 1743J)
Professor of Botany and Plant Physiology

S.B., Harvard, 1890; A.M. and Ph.D., Leipzig, 1894. Assistant in Botany, Harvard University and Radcliffe College, 1890–92; Parker Fellow in Harvard University, studying in Bonn, Leipzig, and Munich, 1892–94; Assistant Professor of Botany, Indiana University, 1895–97; Acting Professor of Botany, University of Wisconsin, second semester, 1910–11. At Stanford since 1897.

†Pelz, Victor H. (1234) 1416 Tasso (PA 2358W)
Associate Professor of Business Organization

B.S., Northwestern, 1916, A.M., 1917. Fellow in Economics, Northwestern, 1916–17; Research Assistant, Chicago Sales Managers' Association, 1916–17; Assistant Labor Manager, National Wholesale Tailors' Association, Summer, 1920; Instructor in Economics, University of Minnesota, 1919–21; Assistant Professor of Business Administration, Extension Division, University of Wisconsin, 1921–22; Professor of Marketing, Tulane University, 1922–25; Acting Professor of Marketing, Northwestern University, Summer Session, 1923. At Stanford since 1925.

†Pettigrew, Moses W. (1234) 1060 High (PA 612M)
Assistant Professor of Military Science and Tactics (Field Artillery)

Student, Utah State School of Mines, 1914–17. At Stanford since 1924.

†Pettit, Albert Victor (234) 1169 Bay, SF-sf (Fillmore 7232)
Clinical Instructor in Obstetrics and Gynecology

A.B., Stanford, 1915, M.D., 1919. Senior Interne, Obstetrics and Gynecology, Lane Hospital, 1919–20, Resident, 1920–21, Chief of Women's Clinic, 1921–25; Assistant Visiting Obstetrician and Gynecologist, San Francisco Hospital, since 1926. At Stanford since 1920.

†Pierson, Philip Hale (1234) 734 Twelfth Ave., SF-sf (Pacific 7907)
Associate Clinical Professor of Medicine (Tuberculosis)

A.B., Yale, 1908; M.D., Harvard, 1913. House Officer, Massachusetts General Hospital, 1914–15. At Stanford since 1916.

†Powell, Herbert Harry (23) 1051 Taylor, SF-sf (Franklin 1941)
Lecturer in Semitic Languages

Ph.B., Taylor, 1898; A.M., Columbian (now George Washington), 1901; B.D., Virginia Theological Seminary, 1901; Ph.D., California, 1905; D.D., General Theological Seminary, 1912. Professor of Old Testament Languages and History, Church Divinity School of the Pacific, 1900–8, Theology and Apologetics, since 1908, Dean, since 1903; Lecturer in Semitic Languages, University of California, 1919–20. At Stanford since 1925.

†Pribram, Alfred Francis (4) 19 Salvatierra
Acting Professor of History (Summer Quarter)

Ph.D., University of Vienna, 1882. Privatdozent, University of Vienna, 1887, Professor, since 1894; Member of the Academy of Science, Vienna, since 1918.

†Price, Merton James (123) 1265 Bay, SF-sf (Fillmore 9324)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1913, M.D., 1916. St. Luke's Hospital, 1916–17; Lieut., M.C., U.S.N., 1917–19; Assistant in Otology and Laryngology, U.S. Naval Hospital, N.Y., 1918–19. At Stanford since 1919.

†Proctor, William Martin (1234) 7 Dolores (PA 1061J)
Associate Professor of Education

A.B., Whitman, 1901; A.M., Stanford, 1916, Ph.D., 1919. Teacher of History and Civics, Cheney (Wash.) State Normal School, 1909–10; Professor of Education, Pacific University, Forest Grove, Oregon, 1911–15, Dean of Faculty, 1914–15; Instructor in Education, Harvard Summer Session, 1922. At Stanford since 1916.

Putnam, Dorothy (1234) 625 Guinda (PA 1279W)
Secretary, School of Education

A.B., Stanford, 1916. Assistant in History, Stanford University, 1916–17. At Stanford since 1916.

†Read, Jay Marion (123) 1421 Seventeenth Ave., SF-sf (Sunset 2219)
Assistant Clinical Professor of Medicine

B.S., California, 1912, M.S., 1913; M.D., Stanford, 1915. Assistant, Stanford Medical Service, San Francisco Hospital, since 1916; Captain, M.R.C., U.S.A., August 1917 to January 1919. At Stanford since 1916.

†Reed, Alfred Cummings (1234) 751 Fourteenth Ave., SF-sf
Associate Clinical Professor of Medicine [(Bayview 841)

A.B., Pomona, 1906; M.D., Bellevue Medical College, 1910. Instructor in Pharmacology, Bellevue Medical College, 1910–11; Assistant Surgeon, U.S. Public Health Service, 1911–13; Attending Physician, Yale Hospital, Changsha, China, 1913–15; Lieutenant, M.C., U.S.N. R.F., July 1917 to February 1919; Chief of Medical Service, Mare Island Naval Hospital, 1918–19; Editor *California State Journal of Medicine,* 1917–20. At Stanford since 1916.

Remele, Miriam Frances (1234) 367 Addison-p (PA 711J)
Editorial Secretary, Registrar's Office

At Stanford since 1920.

†Rendtorff, Karl Gustav (123) 30 Alvarado (PA 515R)
Professor of German

A.M., Stanford, 1894, Ph.D., 1896. Student, University of Giessen, 1884–85, University of Kiel, 1885–91. At Stanford since 1894.

†Reynolds, Charles Nathan (1234) 111 Tennyson-p (PA 2617W)
Instructor in Citizenship, and Acting Instructor in Education (Summer Quarter)

A.B., Oregon, 1913, A.M., 1921. Instructor in Sociology, University of Oregon, Portland Center, 1922–25; Instructor in Sociology, University of Oregon, Summer Sessions, 1923 and 1925.

†Reynolds, Leon Benedict (123) 853 Middlefield (PA 394R)
Professor of Hydraulic and Sanitary Engineering

A.B., Hillsdale, 1906; A.B., Stanford, 1909. Student, Cornell University, 1911–12; Assistant Engineer, Burns & McDonnell, Kansas City (Mo.), 1909-11, 1912–19; Member of Firm, Burns & McDonnell Engineering Co., Kansas City (Mo.), 1920–23. At Stanford since 1923.

†Reynolds, Lloyd Robinson (123) 2762 Filbert, SF-sf (Walnut 619)
Clinical Instructor in Surgery (Genito-Urinary)

A.B., Stanford, 1915, M.D., 1920. Assistant in Surgery, Stanford Medical School, 1921–22. At Stanford since 1921.

†Ricciardi, Nicholas (4) Stanford University
Lecturer in Education (Summer Quarter)

A.B., University of California, 1906, A.M., 1907. Instructor in History, Redding High School, 1908–9; Instructor in History, and Vice-Principal, Fremont High School, Oakland, 1909–14; Principal, Piedmont and Lakeview Schools, Oakland, 1914–16; Director of Vocational Education, Oakland, 1917; District Vocational Officer, District 12, Federal Board for Vocational Education, 1917–21; President, California Polytechnic School, San Luis Opispo, 1921–24; State Commissioner of Vocational Education, California, since 1924.

†Rippy, J. Fred (3) 10 Alvarado (PA 198)
Acting Associate Professor of History (Spring Quarter)

A.B., Southwestern, 1913; A.M., Vanderbilt, 1915; Ph.D., California, 1920. Fellow in History, California, 1917–19, Assistant in History, 1918–20; Instructor in History, University of Chicago, 1920-23, Assistant Professor, 1923–24, Associate Professor, since 1924.

†Ritter, Arthur John (123) Ross-r (San Anselmo 2008)
Lecturer on Mental Deficiency

Graduate Teachers' College, Zürich (Switzerland), 1897; Research Assistant, Racial Studies, Johannesburg (South Africa), 1898–1901; Student, Paris, 1902–3; Instructor des Enfants Arrières, Paris, 1904–5; Private Case Work with Feeble-Minded Children, 1906–11; Principal, Home School for Nervous and Backward Children, Ross (Calif.), 1912; Lecturer, Department of Criminology, University of California, Summer Session, 1920. At Stanford since 1916.

†Rixford, Emmet (123) 1795 California, SF-sf (Graystone 2030)
Professor of Surgery

B.S., California, 1887; M.D., Cooper Medical College, 1891. Adjunct Professor of Surgery, Cooper Medical College, 1893–98, Professor, 1898–1912; Visiting Surgeon, Lane Hospital, 1895–1912, City and County Hospital, San Francisco, since 1894; Instructor in Surgery, Training School for Military Officers, U.S.A., March to December, 1918. At Stanford since 1909.

†Robinson, Alfred A. (123) 2550 Fulton, SF-sf (Bayview 7617)
Clinical Instructor in Medicine (Neurology)

A.B., Brigham Young University, 1901; Liverpool Technical School, England, 1902–4; M.D., Jefferson Medical College, Philadelphia, 1908. Attending Physician, Ogden General Hospital; Chief Neuropsychologist, Dee Memorial Hospital, Ogden (Utah); Neurologist, Latter Day Saints Hospital, Salt Lake City, 1916–18; County Physician, Weber County (Utah), 1913–18; Medical Director, Weber County Hospital, 1913–18; Consulting Neurologist, Relief Home, San Francisco, 1921–22; Assistant, Medicine (Neurology), Stanford, 1921–22, and since 1924.

†Robinson, Edgar Eugene (123) 27 Salvatierra (PA 1511)
Professor of American History

A.B., Wisconsin, 1908, A.M., 1910. Assistant in History, University of Wisconsin, 1908–9, Fellow in American History, 1909–10; Assistant Professor of History, Carleton College, 1910–11; Instructor in History, University of Minnesota, Summer Session, 1912, Resident Lecturer, 1915–16; Assistant Professor of History, University of Michigan, Summer Session, 1916; Assistant Educational Director, S.A.T.C., 1918; Visiting Professor of American History, Yale University, 1919–20; Lecturer in American History, University of California, 1924. At Stanford since 1911.

†Rogers, Austin Flint (123) 15 Salvatierra (PA 1321)
Professor of Mineralogy

A.B., Kansas, 1899, A.M., 1900; Ph.D., Columbia, 1902. Assistant in Mineralogy, University of Kansas, 1898–1900; Assistant Geologist, University Geological Survey of Kansas, 1898–1900, 1903; Fellow in Mineralogy, Columbia University, 1900–1902, Tutor in Mineralogy, 1902–5. At Stanford since 1905.

†Rogers, Frederick John (124) 550 S. Sixth St., San José (SJ 3438J)
Professor of Physics

M.S., Cornell, 1891. Instructor in Physics, Cornell University, 1892–1900. At Stanford since 1900.

Rolfe, Franklin Prescott (123) 19 Salvatierra (PA 964J)
Instructor in English

B.S., Dartmouth, 1924; A.M., Harvard, 1925. At Stanford since 1925.

†Ross, Perley Ason (123) 1830 Cowper-p (PA 1671W)
Associate Professor of Physics

A.B., Stanford, 1908, A.M., 1910, Ph.D., 1911. At Stanford since 1908.

†Roth, Almon Edward (1234) Santa Teresa (PA 900L1)
Comptroller

A.B., Stanford, 1909, J.D., 1912. At Stanford since 1920.

Russell, Frances Theresa (Mrs.) (4) 4 Lasuen (PA 1746W)
Associate Professor of English

Ph.B., Iowa, 1895; Ph.D., Columbia, 1920. Teacher in Denison (Iowa) Normal School, 1895–96; Principal, Villisca (Iowa) High School, 1896–98; Graduate Student at Radcliffe College, 1898–99; Teacher in Anamosa (Iowa) High School, 1899–1900. At Stanford since 1905.

†Ryan, Harris Joseph (123) 525 Embarcadero (PA 1075)
Professor of Electrical Engineering

M.E., Cornell, 1887. With Western Engineering Co., Lincoln (Nebr.), 1887–88; Instructor in Physics, Cornell University, 1888–89, Assistant Professor of Electrical Engineering, 1889–92, Associate Professor, 1892–95, Professor, 1895–1905; Judge, Board of Awards, World's Fair, Chicago, 1893; U.S. Government Delegate, International Electrical Congress, St. Louis Exposition, 1904. At Stanford since 1905.

†Ryfkogel, Henry Anthon Lewis (123) 2645 Twenty-fourth St., SF-sf
Lecturer in Surgery (S. F. Hospital) [(Valencia 1611)

M.D., California, 1894. Instructor in Anatomy, University of California, 1894–98, Instructor in Clinical Pathology, Medical Department, 1898–1900, in Bacteriology, 1900–1906, in Surgical Pathology, 1906–7; Surgical Chief, San Francisco Polyclinic, and Visiting Surgeon, San Francisco Hospital, since 1904. At Stanford since 1919.

Sampson, Joseph Abraham (123) Plaza Hotel, SF-sf (Market 21)
Clinical Instructor in Medicine (Pediatrics)

B.S., California, 1910; M.D., Stanford, 1921. Interne, Lane Hospital, and House Officer, San Francisco Hospital, 1920–21. At Stanford since 1921.

Sanders, Nathaniel (1234) 7 Stanford Union (PA 2900)
Instructor in Economics

A.B., California, 1898. At Stanford since 1918.

Santes, Marie (1234) 1 Salvatierra (PA 1025)
Cataloguer, Hoover War Library

A.B., Carleton, 1911. High School Teacher, 1911–13; Student, New York State Library School, 1916–18; Temporary Assistant, Newark (N.J.) Free Public Library, Summer 1917; Cataloguer, University of Minnesota Library, 1918–23. At Stanford since 1923.

†Sappington, Clarence Olds (1234) 312 Wayne, Oakland-o (Glencort 5431)
Lecturer on Industrial Hygiene (Public Health and Preventive Medicine), and Acting Medical Adviser of Men (Summer Quarter)

A.B., Whitman, 1911; M.D., Stanford, 1918; Dr.P.H., Harvard, 1924. Assistant Surgeon, U.S.P.H.S., 1920–22; Fellow in Industrial Hygiene, Harvard, 1922–23; Teaching Fellow in Vital Statistics, 1923–24; Special Adviser on Industrial Health Problems, San Francisco Tubercular Association, 1924. At Stanford since 1924.

†Scattergood, Ezra Frederick (4) Los Angeles Light and Power Co., Los Angeles-la
Lecturer in Electrical Engineering

†Schaller, Walter Frank (123) 164 Sea Cliff, SF-sf (Bayview 150)
Clinical Professor of Medicine (Neurology)

M.D., Cooper Medical College, 1902. Assistant in Pathology, Cooper Medical College, 1905–6; Assistant Surgeon, U.S.N., 1906–8; Student, Paris, Berlin, Vienna, Karlsruhe, 1909–11; P. A. Surgeon, U.S.N. R.F., June–December, 1917, and since October 1918. At Stanford since 1911.

†Schaupp, Karl Ludwig (1234) 45 Walnut, SF-sf (Fillmore 921)
Assistant Clinical Professor of Obstetrics and Gynecology

A.B., Stanford, 1913, M.D., 1916. First Lieutenant, M.R.C., U.S.A., August to December, 1918; Visiting Obstetrician, San Francisco Hospital, since 1919; Visiting Gynecologist, San Francisco Hospital, since 1923; Obstetrician, Franklin Hospital. At Stanford since 1918.

†Schenck, Hubert Gregory (123) 580 Addison (PA 1964J)
Acting Instructor in Geology

A.B., Oregon, 1922, A.M., 1923; Ph.D., California, 1926. Associate in Paleontology, University of California, 1923–24. At Stanford since 1924.

SCHERMERHORN, LORENZ J. (123) 2720 Vallejo, SF-sf (Fillmore 6337)
Clinical Instructor in Medicine (Pediatrics)

M.D., University of Michigan, 1912. U.S. Army, 1917–19; University of California, Pediatrics Department, 1919–24.

†SCHULTZ, EDWIN WILLIAM (1) Cooksey Lane (PA 1210)
Associate Professor of Bacteriology

B.S., Winona College, 1913; A.B., Michigan, 1914; M.D., Johns Hopkins, 1917. Special Student in Protozoölogy, School of Hygiene and Public Health, Johns Hopkins University, 1919; Fellow in Pathology, Mayo Foundation, Spring and Summer Quarters, 1921–22; Field Director, International Health Board, 1917; First Lieutenant and Captain, M.C., U.S.A., Deputy Commissioner (Major, U.S.A.), American Red Cross, 1917–19; Chief of Laboratory, 33d Division, U.S. Army; Pathologist, Base Hospital No. 42, A.E.F., 1917–18; Chief of Laboratory, A.R.C. Military Hospital No. 9, A.E.F.; Bacteriologist, A.R.C. Commission to Germany; Chief of Bureau of Medical Research, A.R.C. Commission to Poland, 1918–19; John Simon Guggenheim Fellow in Bacteriology, 1926. At Stanford since 1920.

SCHUSSLER, HERMANN, JR. (12) 1800 Franklin, SF-sf (Graystone 4696)
Clinical Instructor in Medicine (Pediatrics)

B.S., University of California, 1914; M.D., Harvard Medical School, 1918. Senior Interne, Lane Hospital, 1919–20; Assistant Resident Physician, Barnes Hospital, St. Louis (Mo.), 1920. At Stanford since 1920.

†SCHWARTZ, WILLIAM LEONARD (123) 450 Harvard, College Terrace
Instructor in Romanic Languages [(PA 239W)

A.B., Ohio Wesleyan, 1910; A.M., Stanford, 1920, Ph.D., 1926. Professor of English, Kagoshima Seventh Government College, Japan, 1910–14, Nagasaki Imperial College of Commerce, 1914–19; Professor of French, College of the Pacific, 1919–20. Student, University of Paris, 1921. At Stanford since 1920.

†SEARS, JESSE BRUNDAGE (234) 1120 Parkinson (PA 1762W)
Professor of Education

A.B., Stanford, 1909; Ph.D., Teachers' College, Columbia, 1920. Student, University of Chicago, Summer Quarter, 1910; Research Scholar, Teachers' College, Columbia University, 1910–11; Instructor in Education, University of Wisconsin, 1909–10; Assistant in Educational Sociology, Teachers' College, Columbia University, Summer Session, 1911. At Stanford since 1911.

†SEITZ, ROLAND P. (123) 294 Twenty-seventh Ave., SF-sf (Evergreen 4541)
Clinical Instructor in Medicine

A.B., Stanford, 1919, M.D., 1923. Senior Interne, Pediatrics, Lane Hospital, 1923–24. At Stanford since 1924.

SELLARDS, JOHN ARMSTRONG (1234) Kingscote (PA 2621J)
Director of Summer Quarter, and Endowment Secretary

A.B., Illinois, 1912; A.M., Stanford, 1916. At Stanford, 1916–17, 1919–20, 1922–23, and since 1924.

†SEWALL, EDWARD CECIL (123) 3515 Pacific, SF-sf (Fillmore 4242)
Clinical Professor of Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1898; M.D., Cooper Medical College, 1902. Assistant and Instructor in Ophthalmology, Cooper Medical College, 1901–7, Assistant Professor, 1907–9; Student in Freiburg, 1909–10; Associate Professor of Diseases of Eye, Ear, Nose, and Throat, Cooper Medical College, 1910–12. At Stanford since 1912.

†SEWARD, SAMUEL SWAYZE, JR. (123) 262 Kingsley-p (PA 779W)
Associate Professor of English

A.B., Columbia, 1896, A.M., 1897. Scholar in Literature, Columbia University, 1896–97, Assistant in Literature, 1897–99; Student, Oxford University, 1899–1900; Acting Professor of English, University of Nevada, 1907; Assistant Professor of English, University of California, Summer Session, 1907, University of Oregon, Summer Session, 1908. At Stanford since 1900.

†SHAFER, GEORGE DANIEL (1234) 321 Melville-p
Assistant Professor of Physiology

A.B., Indiana, 1900; A.M., Stanford, 1906; Ph.D., Cornell, 1908. Fellow in Entomology and Invertebrate Zoölogy, Cornell University, 1906–08; Research Assistant, Experiment Station, Michigan Agricultural College, 1908–14, Associate, 1914–17. At Stanford since 1918.

SHAW, WILLIAM THOMAS (123) 29 Salvatierra (PA 1042M)
Lecturer in Zoölogy and Acting Director of Biological Laboratory

B.Agr., University of Minnesota, 1898, B.S., 1899; M.S., Michigan State College, 1901; Ph.D., Stanford, 1926. Instructor in Zoölogy, Iowa State College, 1901; Instructor in Zoölogy, Oregon Agricultural College, 1901–6; Instructor in Zoölogy, State College of Washington, 1906–8; Professor of Zoölogy, Zoölogist of the Washington Experiment Station, Curator of the Museum, 1908–1925.

†SHEDD, SOLON (1234) San Juan Hill (PA 2824W)
Curator, Branner Geological Library

B.S., Monmouth, 1889; A.B., Stanford, 1896, A.M., 1907, Ph.D., 1910. Instructor in Natural Sciences, State Normal School, Monmouth (Ore.), 1889–94; Assistant Professor of Geology, State College of Washington, 1896–1901, Professor, 1901–25; Geologist, Washington State Geological Survey, 1901–3; Assistant State Geologist, 1909–11, State Geologist, 1921–25; Acting Associate Professor of Geology, Stanford, Summer and Autumn Quarters, 1921, Acting Professor of Geology, Summer Quarter, 1922. At Stanford, 1921, and since 1925.

†SHEPARDSON, DWIGHT EMERSON (1234) 80 Yerba Buena, SF-sf (Sunset 8672)
Clinical Instructor in Therapeutics and Medicine

A.B., Stanford, 1917, M.D., 1921. Resident in Medicine, Lane Hospital, 1922–23. At Stanford since 1922.

†SHEPHERD, HAROLD (1234) 328 Churchill (PA 1943W)
Associate Professor of Law

A.B., Stanford, 1919, J.D., 1922. Associate Professor of Law and Dean of the Law School, University of Wyoming, 1922–23. At Stanford since 1923.

†SHINN, HENRY A. (3) 420 Tennyson-p (PA 2588)
Acting Associate Professor of English (Public Speaking)

A.B., University of Kansas, 1916; J.D., Stanford, 1926.

†SIMONTON, JAMES WIGGINS (4) Kingscote (PA 860J)
Acting Professor of Law (Summer Quarter)

A.B., University of Indiana, 1903; J.D., University of Chicago, 1908; S.J.D., Harvard University, 1924. Engaged in practice, 1908–14; Assistant Professor of Law, University of West Virginia, 1914–15, Associate Professor, 1915–17, Professor, 1917–21; Professor of Law, University of Missouri, since 1921; Acting Professor of Law, Cornell University, Summer Quarter, 1925.

SKOGSBERG, TAGE (4) Pacific Grove-pg (Monterey 673)
Acting Instructor in Zoölogy (Summer Quarter)

A.M., Uppsala, 1912, Ph.D., 1920. Curator, Zoölogical Institution, Uppsala, 1917–20; Uppsala University Scholar, Musée Oceanographique of Monaco, 1915; Hopkins Marine Station, 1921; Scientific Assistant, State Fish and Game Commission, 1922; Research Assistant, University of California, since 1923.

SLATER, JOHN C. (4) 1832 Cowper-p
Acting Assistant Professor of Physics (Summer Quarter)

Ph.D., Harvard, 1923. Harvard Traveling Fellow to Copenhagen, 1923–24; Instructor in Physics, Harvard University, since 1924.

†SLOAN, WILLIAM HENRY (123) Alta Mesa-Box 105, p (PA 8W2)
Associate Professor of Chemistry

A.B., Stanford, 1903, A.M., 1904. Student, University of Leipzig, 1904–5; Assistant

Chemist, San Francisco Board of Health, 1905–6. At Stanford, 1903–4, and since 1906.

†Slonaker, James Rollin (123) 334 Kingsley-p (PA 451)
Associate Professor of Physiology

B.S., Wisconsin, 1893; Ph.D., Clark, 1896. Fellow in Biology, Clark University, 1893–96; with United States Fish Commission, Woods Hole (Mass.), Summer, 1895; Instructor in Zoölogy, Indiana University, 1896–99, Indiana University, Biological Station, 1896–1900; Assistant Professor of Zoölogy, Indiana University, 1899–1901; Research Assistant in Neurology, University of Chicago, 1901–2, Associate in Neurology, 1902–3. At Stanford since 1903.

Smith, Charles Herbert (123) 209 Stanford Union (PA 2900)
Instructor in Mechanical Engineering

A.B., Stanford, 1923, Engineer, 1924. At Stanford since 1924.

†Smith, Everett Wallace (1234) 12 Alvarado (PA 1041)
Associate Professor of Journalism, and Director of Publicity

A.B., Stanford, 1899. At Stanford since 1910.

†Smith, Gilbert Morgan (124) 504 Hamilton (PA 1569J)
Professor of Botany

A.B., Beloit, 1907; Ph.D., Wisconsin, 1913. Assistant in Botany, Wisconsin, 1909–10; Instructor in Botany, Pomona, 1910–11; Assistant in Botany, Wisconsin, 1911–12, Instructor, 1912–17, Assistant Professor, 1917–19, Associate Professor, 1919–25; Acting Associate Professor, Stanford, Autumn Quarter, 1923–24. At Stanford, 1923, and since 1925.

†Smith, James Perrin (1234) 1335 Cowper-p (PA 1218W)
Professor of Paleontology

A.B., Wofford College, 1884; A.M., Vanderbilt, 1886; Ph.D., Göttingen, 1892; LL.D., Wofford College, 1916. Assistant Geologist and Chemist, Arkansas Geological Survey, 1887–90; Assistant Geologist, U.S. Geological Survey, 1895–1906, Geologist since 1906. At Stanford since 1892.

†Smith, Ralph Henry (12) 1627 Palo Alto Ave.
Acting Assistant Professor of Biology (Physiology and Zoölogy)

A.B., Kansas, 1916; A.M., California, 1918, Ph.D., 1925. Fellow in Entomology, Oregon Agricultural College, 1916–17; Teaching Fellow in Zoölogy, University of California, 1917–18; Associate Entomologist, University of Idaho, 1918–22; Research Entomologist, Laboratories of California Central Creameries, 1922–24; Research Assistant in Entomology, University of California, 1924–25.

†Smith, Stanley Astredo (124) 2 Finger, Redwood City-rc
Associate Professor of Romanic Languages [(Redwood 285W)

A.B., Stanford, 1903, A.M., 1905. Assistant in Romanic Languages, Stanford University, 1903–4, Instructor, 1904–7; Student, Universities of Paris and Madrid, 1906–7; Instructor in French and Italian, University of Washington, 1907–11; Student, Harvard University, 1911–13, Instructor in Romance Languages, 1912–13; Professor of Romance Languages, Reed College, 1913–14. At Stanford, 1903–7, and since 1914.

†Smith, Warren DuPré (4) 936 Waverley-p (PA 2067J)
Acting Professor of Geology (Summer Quarter)

B.S., Wisconsin, 1902; A.M., Stanford, 1904; Ph.D., Wisconsin, 1908. Fellow in Geology, University of Chicago, 1904–5; Geologist and Chief of Division of Mines, Bureau of Science, Philippine Government, 1905–14; Head, Department of Geology, University of Oregon, since 1914; Visiting Professor of Geology, University of Michigan, Summer, 1925.

Snell, Elizabeth Burritt (Mrs.) (1234) 1333 Tasso (PA 1718R)
Appointment Secretary

A.B., Stanford, 1908. At Stanford since 1916.

SNODGRASS, KATHARINE (1234) 1421 Emerson (PA 1301W)
Research Associate, Food Research Institute

A.B., Bryn Mawr, 1915; A.M., Columbia University, 1918. Research Assistant, War Industries Board, 1918–19, Federal Reserve Board, 1919–22; Associate Editor, *New York Journal of Commerce*, 1923. At Stanford since 1924.

†SNYDER, JOHN OTTERBEIN (123) 8 Alvarado (PA 1081M)
Professor of Zoölogy

A.B., Stanford, 1897, A.M., 1899. Assistant, U.S. Fish Commission, 1897, 1899, 1904, 1915, 1916; Naturalist on U.S.S. "Albatross" engaged in deep sea investigations, 1902, 1906; Expert Ichthyologist, U.S. National Museum, 1914; Fisheries Expert, Fish and Game Commission of California, since 1919. At Stanford since 1897.

§SOMERS, GEORGE BURBANK
Clinical Professor of Obstetrics and Gynecology

A.B., Harvard, 1886; M.D., Cooper Medical College, 1888. Chief Surgeon, San Francisco Emergency Hospital, 1891–95; Adjunct to Chair of Gynecology, Cooper Medical College, 1889, Professor of Gynecology, 1901; Gynecologist to Lane Hospital, 1900–12. At Stanford since 1911.

†SPALDING, ALFRED BAKER (1234) 2651 Green, SF-sf (Fillmore 826)
Professor of Obstetrics and Gynecology

A.B., Stanford, 1896; M.D., Columbia, 1900. House Surgeon, General Memorial Hospital, New York, 1900–1901; Assistant Resident Physician, Sloane Maternity Hospital, New York, 1901–2; Instructor in Obstetrics, University of California, 1902–5, Assistant Professor, 1905–9, Professor, 1909–12. At Stanford since 1912.

†SPIRO, HARRY (23) 1915 California, SF-sf (Fillmore 5787)
Assistant Clinical Professor of Medicine

Ph.G., California, 1893; M.D., Cooper Medical College, 1904. Instructor in Pharmacology, Cooper Medical College, 1905–7; Vienna Clinic, 1907; U.S. Army, 1918. At Stanford since 1919.

†SPRAGUE, CHARLES MYRON (1234) 332 Forest
Assistant Director of Intramural Sports

A.B., Bowdoin College, 1920. Ensign, U.S. Navy, April 1917–August 1919; Football Coach and Director of Physical Education, Ellensburg (Wash.) High School, 1922–24; University of Illinois Coaching School, Summer 1924. At Stanford since 1924.

†STADTHERR, EDWARD F. (123) 161 Jordan Ave., SF-sf (Bayview 814)
Clinical Instructor in Medicine

M.D., St. Louis University, 1913. Assistant Surgeon, U.S.N., 1917–20, Past Assistant Surgeon, U.S.N., 1920–21. At Stanford since 1921.

STANLEY, EDWARD JOHN (123) 269 Hawthorne-p (PA 544W)
Assistant Professor of Mechanical Engineering (Pattern Making)

Machinist with Pacific Iron Works, San Francisco, 1879, Blacksmith, 1880, Draughtsman, 1881, Pattern Maker, 1883-86; Third Assistant Engineer, U.S.S. "Alabama," 1882; Foreman Pattern Maker, Union Iron Works, San Francisco, 1886–1901, 1906. At Stanford since 1901.

STARKS, CHLOE LESLEY (MRS.) (124) 1115 Ramona-p (PA 597M)
Assistant Professor of Education (Graphic Art)

At Stanford since 1899.

§ Deceased February 20, 1926.

†STARKS, EDWIN CHAPIN (123) 1115 Ramona-p (PA 597M)
Assistant Professor of Zoölogy

Assistant in United States Bureau of Biological Survey, 1897–99; Curator of the Museum and Assistant Professor of Zoölogy, University of Washington, 1899–1900. At Stanford since 1900.

†STEBBINS, HORATIO WARD (123) 327 Addison-p (PA 316)
Associate Professor of Mechanical Engineering

A.B., California, 1899; B.S., Massachusetts Institute of Technology, 1902. Assistant to Engineer of Tests, Southern Pacific Railroad Company, 1902–5; Engineer and Estimator, San Francisco Bridge Company, 1905–13. At Stanford since 1914.

†STEPHENSON, HENRY AUGUSTUS (123) 2677 Larkin, SF-sf (Graystone 5788)
Assistant Clinical Professor of Obstetrics and Gynecology

A.B., Randolph-Macon College, 1906; M.D., Johns Hopkins Medical School, 1910. Assistant Resident Obstetrician, Johns Hopkins Hospital, 1911–12. Resident Obstetrician, 1912–14; Assistant in Obstetrics, Johns Hopkins Medical School, 1911–12, Instructor, 1912–14; First Lieutenant, M.R.C., U.S.A., April 1918 to January 1919. At Stanford since 1914.

†STEVENS, WILLIAM EMERSON (1234) 1007 Gough, SF-sf (Walnut 5200)
Associate Clinical Professor of Obstetrics and Gynecology (Urology)

M.D., California, 1899. Chief of Genito-Urinary Clinic, San Francisco Polyclinic, 1912–18, Chief of Genito-Urinary Department since May 1918, Chief of Gynecological Urology Department since 1916; Visiting Urologist, San Francisco Hospital, since 1916; Consulting Genito-Urinary Surgeon, Bethlehem Shipbuilding Corporation, Ltd., Hospital, since March 1918. At Stanford since 1919.

STILLMAN, MINNA (1234) 2 Alvarado (PA 1048)
Document Librarian

A.B., Stanford, 1903. At Stanford since 1912.

†STILLMAN, STANLEY (123) 2285 Broadway, SF-sf (West 1034)
Professor of Surgery

M.D., Cooper Medical College, 1889. Adjunct Professor of Surgery, Cooper Medical College, 1895–98, Professor of Surgery, 1898–1912; Assistant Visiting Surgeon, City and County Hospital, San Francisco, 1891–99, Visiting Surgeon, 1899–1912; Visiting Surgeon, Lane Hospital, 1895–1912; Lieutenant Commander, U.S.N. R.F., 1917–19, Commander, 1919–21, and since 1923. At Stanford since 1909.

STOLTENBERG, CLARA S. (123) 9 Salvatierra (PA 199)
Associate Professor of Anatomy

A.B., Stanford, 1896, A.M., 1897. At Stanford since 1896.

†STONE, CALVIN PERRY (124) 656 Channing (PA 1166M)
Associate Professor of Psychology

A.B., Indiana, 1915, A.M., 1916; Ph.D., Minnesota, 1921. Teaching Fellow in Education, University of Minnesota, 1916; Director of Psychological Research, Indiana State Reformatory, 1916–17; Psychological Examiner, U.S. Army, 1917–19; Teaching Fellow in Psychology, University of Minnesota, 1919–21; Instructor in Neural and Histological Anatomy, University of Minnesota, 1921–22. At Stanford since 1922.

†STONE, CLARENCE ROBERT (4) Los Altos-1a
Acting Assistant Professor of Education (Summer Quarter)

B.S., Missouri, 1909, A.B., 1910; A.M., Chicago, 1921. Elementary School Principal, St. Louis, 1910–23; Instructor in the Psychology and Pedagogy of Reading, Harris Teachers' College, 1918–22; Lecturer, Tulane University, Summer, 1923; Lecturer, San Diego State Teachers College, Summer, 1924; Acting Instructor in Education, Stanford, Summer Quarter, 1925.

STRATTON, ERNEST KENNETH (123) 2261 Sacramento, SF-sf
Clinical Instructor in Medicine (Dermatology) [(Fillmore 7909)

P.D., Philadelphia College of Pharmacy, 1910; M.D., George Washington University, 1916. Captain, Medical Corps, U.S. Army, 1917–22; Clinical Assistant, Department of Dermatology and Syphilis, College of Physicians and Surgeons, Columbia University, 1923–24; Chief Attending Dermatologist to the San Francisco Polyclinic and to Mary's Help Hospitals. At Stanford since 1924.

†STRONG, EDWARD KELLOGG, JR. (123) 8 Mirada (PA 1649)
Professor of Psychology, and Graduate School of Business

B.S., California, 1906, M.S., 1909; Ph.D., Columbia, 1911. Assistant, Barnard College, 1909–10; Fellow in Psychology, Columbia University, 1910–11; Research Fellow in Advertising for Ad Men's League, New York City, 1911–12; Research Fellow in Advertising for Association of National Advertisers, 1912-15; Lecturer, Extension Department, Columbia University, 1911–14, 1919; Professor of Psychology and Psychology of Education, George Peabody College for Teachers, 1914–17; Professor and Head of Department of Vocational Education, Carnegie Institute of Technology, 1919–21, Head of Bureau of Educational Research, 1921–23. At Stanford since 1923.

†STUART, GRAHAM HENRY (123) 631 Coleridge (PA 1871M)
Associate Professor of Political Science

A.B., Western Reserve, 1908; A.M., Wisconsin, 1918, Ph.D., 1919. Student Alliance Française, 1910, Sorbonne, 1911, École Libre des Sciences Politiques, 1913–14; Assistant in Political Science, University of Wisconsin, 1917, Assistant Professor, 1921–23; Research Associate, Carnegie Institution (stationed at Lima, Peru), 1924; Acting Associate Professor, University of Chicago, Summer Quarter, 1926. At Stanford since 1923.

†STUART, HENRY WALDGRAVE (123) 19 Cabrillo
Professor of Philosophy

Ph.B., California, 1893; Ph.D., Chicago, 1900. Teacher, Hollister (Calif.) High School, 1893–94; Fellow in Political Economy, University of Chicago, 1894–96; Instructor (pro tem.) in Economics and Psychology, Washington University, St. Louis, 1896–97; Teacher, Central School, Oakland (Calif.), 1897–98; Principal, Woodland (Calif.) High School, 1898–99; Fellow in Philosophy, University of Chicago, 1899–1900; Instructor in Economics and History, Ripon College, 1900–1901; Instructor in Philosophy, State University of Iowa, 1901–4; Acting Professor of Philosophy, Lake Forest College, 1904–5, Assistant Professor, 1905–7. At Stanford since 1907.

SUTLIFF, HELEN BINNINGER (1234) 19 Salvatierra (PA 876)
Chief Cataloguer, Library

A.B., Kansas, 1890. Head Cataloguer, University of Kansas Library, 1891–1905; Cataloguer in Columbia University Library, Summer, 1901. At Stanford since 1904.

†SWAIN, ROBERT ECKLES (124) 2 Mirada (PA 247)
Professor of Chemistry

A.B., Stanford, 1899; M.S., Yale, 1901, Ph.D., 1904. Student, Universities of Strassburg and Heidelberg, 1901–2, Yale University, 1909–10; Lecturer and Medalist, Charles Frederick Chandler Foundation, Columbia University, 1924. At Stanford since 1898.

SWEET, MARY C. (1234) 921 Scott-p (PA 1748W)
Assistant Registrar

A.B., Vassar, 1906; B.S., Simmons, 1909. At Stanford since 1923.

SWETT, WILBER FRANK (123) 1339 Fourth Ave., SF-sf (Sunset 4087)
Clinical Instructor in Surgery (Ophthalmology)

A.B., Stanford, 1917, M.D., 1922. At Stanford since 1923.

†TAINTER, MAURICE LANE (123) 1925 Pierce, SF-sf (Walnut 3689)
Instructor in Pharmacology

A.B., Stanford, 1921, A.M., 1924, M.D., 1925. At Stanford since 1924.

†Tatlock, John S. P. (4) Dolores (PA 1694)
Acting Professor of English Philology (Summer Quarter)

A.B., Harvard, 1896, A.M., 1897, Ph.D., 1903. Student, Universities of Michigan, 1899–1901, Freiburg im Breisgau, 1904; Instructor in English, University of Michigan, 1897–1901, 1903–5, Assistant Professor, 1905–7, Junior Professor, 1907–12, Professor, 1912–15; Professor of English, University of Chicago, Summer Quarter, 1909, Dartmouth College, Summer Session, 1914; Professor of English Philology, Stanford, 1915–25; Professor of English Literature, Harvard University, since 1925.

Taylor, Alonzo Englebert (1234) Kingscote (PA 1386J)
Director and Executive Secretary, Food Research Institute

M.D., Pennsylvania, 1904; LL.D., Wisconsin, 1920. Student, University of Berlin, 1890–91, 1899–1900; Instructor, University of Pennsylvania, 1897–99; Professor of Pathology, University of California, 1900–1910; Professor of Pathological Chemistry, University of Pennsylvania, 1910–21. At Stanford since 1921.

†Taylor, Charles Vincent (1234) Hopkins Marine Station,
Associate Professor of Biology [Pacific Grove-pg

A.B., Mt. Morris College, 1911; A.M., University of California, 1915, Ph.D., 1917. Instructor in Zoölogy, University of California, 1917–18; Johnston Scholar, Johns Hopkins University, 1918–20; Assistant Professor of Zoölogy, University of California, 1920–23; Acting Assistant Professor of Zoölogy, Hopkins Marine Station, Stanford University, Summer, 1922 and 1923; Assistant Professor of Zoölogy (on exchange), University of Michigan, 1924; Research Associate, Tortugas Marine Station of the Carnegie Institution, Summer, 1924. At Stanford since 1925.

†Templeton, Harry John (23) 71 Ross Circle, Oakland-o
Clinical Instructor in Dermatology [(Humboldt 7143)

M.D., Ohio State College of Medicine, 1917. Interne, Denver County Hospital, 1919–20; Student, University of Pennsylvania Graduate School of Medicine, 1924–25. At Stanford since 1925.

†Templeton, Robert Lyman (123) 44 Lasuen (PA 2827W)
Director of Track

A.B., Stanford, 1921.

Templin, Ernest Hall (123) 541 Encina (PA 2900)
Instructor in Romanic Languages

A.B., Stanford, 1920, A.M., 1921. Teacher of French, Spanish, and Latin, Burley (Idaho) High School, 1921–22; Assistant in French and Spanish, University of Illinois, 1922–23; Student, University of Madrid, 1923–24; Assistant in Spanish, Stanford, 1924–25. At Stanford since 1924.

Terman, Frederick Emmons (123) 9 Dolores (PA 1178)
Instructor in Electrical Engineering

A.B., Stanford, 1920, Engineer, 1922; Sc.D., Massachusetts Institute of Technology, 1924.

†Terman, Lewis Madison (123) 9 Dolores (PA 1178)
Professor of Psychology

A.B., Indiana, 1902, A.M., 1903; Ph.D., Clark University, 1905. Fellow in Psychology and Education, Clark University, 1903–5; Principal of High School, San Bernardino (Calif.), 1905–6; Head of Department of Child Study and Pedagogy, Los Angeles State Normal School, 1906–10; Instructor in Education, Indiana University, Summer Session, 1909, New York University, Summer Session, 1916, Columbia University, Summer Session, 1917; Major, Division of Psychology, Surgeon General's Office, Washington (D.C.), 1918. At Stanford since 1910.

†Thaler, Alwin (1) 407 Cowper-p (PA 2565W)
Acting Professor of English

A.B., Adelphi College, 1912; A.M., Columbia, 1914; Ph.D., Harvard, 1918. Instructor in English, Adelphi College, 1912–13; Instructor in English, Northwestern

University, 1913–16; Sheldon Travelling Fellow (England and France), Harvard, 1919–20; Assistant Professor of English, University of California, 1920–23; Acting Assistant Professor and Professor of English, Harvard, Summer Sessions, 1919, 1920, 1922, 1924; Professor of English, University of Tennessee, since 1923.

†THOMAS, EARL CHARLES (123) 211 Middlefield (PA 2475)
Assistant Professor of Civil Engineering

A.B., Stanford, 1914. Instructor in Railroad Engineering, A.E.F. University, Beaune, France, 1919. At Stanford since 1920.

†THOMAS, FRANK WATERS (4) 1341 Tasso-p (PA 1718W)
Acting Assistant Professor of Education (Summer Quarter)

A.B., Indiana, 1905; A.M., Illinois, 1910. Supervisor of Practice Teaching, Instructor in Education, and Principal of University Preparatory School, University of Illinois, 1906–11; Principal of High School, Santa Monica, 1911–13; Director of Junior High School, Sacramento, 1915–17; Head of Department of Education, Fresno State Teachers' College, since 1917.

†THORNHILL, CLAUDE E. (123) 339 Manzanita Ave.-p (PA 768M)
Assistant Coach in Football

At Stanford since 1922.

†TICKELL, FREDERICK GEORGE (123) 652 Forest (PA 1768W)
Associate Professor of Petroleum Technology

B.S., California, 1912. Engineer at Dawson, Y.T., for the Yukon Gold Co., 1912; Assistant in Mineralogy, University of California, 1913; Engineer, Croesus Gold Mining and Milling Co., 1914–15; Geologist and Petroleum Engineer, Southern Pacific Co., 1917–21. At Stanford since 1921.

†TINKER, MILES ALBERT (234) 918 Ramona. (PA 2509)
Acting Instructor in Education

A.B., Clark University, 1921, A.M., 1922. Graduate Assistant in Psychology, Clark, 1921–23, Fellow in Psychology, 1922–23.

†TITUS, CHARLES HICKMAN (123) 13 Stanford Union (PA 2900)
Instructor in Citizenship and Political Science

A.B., Stanford, 1920, A.M., 1921. Assistant in Instruction, Stanford, 1920–21, and Summer 1921; Instructor in Economics and History, Whitman College (Wash.), 1921–23, Professor of Political Science, and Acting Head of the Department, 1923–25. At Stanford since 1925.

†TOLMAN, CYRUS FISHER, JR. (234) County Road (PA 245W)
Professor of Economic Geology

B.S., Chicago, 1896. Fellow in Geology, University of Chicago, 1897–98; Consulting Economic Geologist, since 1898; Professor of Geology, University of Arizona, 1905–6, Professor of Geology and Mining, 1906–12; Territorial Geologist of Arizona, 1910–12. At Stanford since 1912.

†TOWNE, EDWARD BANCROFT (123) 2822 Clay, SF-sf (Fillmore 3270)
Associate Professor of Surgery

A.B., Harvard, 1906, M.D., 1913. Surgical House Officer, Peter Bent Brigham Hospital, Boston, 1913–14, Assistant Resident Surgeon, 1914–15; Honorary Medical Officer, Royal Army Medical Corps, France, 1915–16; Voluntary Assistant, Mayo Clinic, 1916–17; Assistant Resident Surgeon, Brigham Hospital, and Assistant in Surgery, Harvard Medical School, 1917; Lieutenant, Captain, and Major, Medical Corps, U.S.A., A.E.F., 1917–19. At Stanford since 1919.

†TOWNLEY, SIDNEY DEAN (34) 21 Cabrillo (PA 1016)
Professor of Mathematics

B.S., Wisconsin, 1890, M.S., 1892; D.Sc., Michigan, 1897. Fellow in Astronomy, University of Wisconsin, 1890–91, Assistant in Astronomy and Mathematics, 1891–92; Hearst Fellow in Astronomy, University of California (Lick Observatory),

1892–93; Instructor in Astronomy, University of Michigan, 1893–95, 1896–98; Student, Universities of Berlin and Munich, 1895–96; Instructor in Practical Astronomy, University of California, 1898–1903, Lecturer in Astronomy, 1904–7; Astronomer in charge of International Latitude Observatory, 1903–7. At Stanford since 1907.

†TRABUE, MARION REX (4) 566 Everett (PA 1384W)
Acting Professor of Education (Summer Quarter)

A.B., Northwestern, 1911; A.M., Columbia, 1914, Ph.D., 1915. Principal, High School, Fairbury (Ill.), 1911–12; Principal, High School, Hinsdale (Ill.), 1912–13; Instructor in Educational Administration, Teachers College, Columbia University, 1915–17, Assistant Professor of Education, 1917–22; Director, Bureau of Educational Service, 1919–22; Professor of Educational Administration, University of North Carolina, since 1922; Director of Bureau of Educational Research, since 1923.

†TREAT, PAYSON JACKSON (123) 8 Dolores (PA 1128)
Professor of History

A.B., Wesleyan, 1900; A.M., Columbia, 1903; Ph.D., Stanford, 1910. Instructor in History, Barnard School, New York City, 1900–1903; Graduate Student, Stanford University, 1903–5; Research Student in Far East, 1906–7; Instructor in Government, Harvard University, 1908–9; Lecturer in Political Science, University of California, Second Semester, 1915–16. At Stanford since 1905.

TRUE, HELEN ELLA (123) 1505 Byron (PA 1608)
Secretary to the President

A.B., Mt. Holyoke, 1905. At Stanford since 1914.

†TUPPER, CHARLES RALPH (4) 417 Channing-p
Acting Assistant Professor of Education (Summer Quarter)

A.B., Stanford, 1913, A.M., 1923. Instructor in Mathematics and Science, Globe (Ariz.), 1913–19; Superintendent of Schools, Miami (Ariz.), since 1919; Director, Arizona State School Survey, 1924–25; Member, Arizona State Board of Education.

†VERNIER, CHESTER GARFIELD (1234) 11 Mirada (PA 254)
Professor of Law

A.B., Butler College, 1903; J.D., Chicago, 1907. Graduate Scholar, University of Chicago, 1904–5; Instructor in Law, Indiana University, 1907–8; Professor of Law, University of Nebraska, 1908–10, Indiana University, 1909–11, University of Illinois, 1911–16; Lecturer in Law, University of Chicago, Summer Quarter, 1911, 1912, University of Michigan, Summer Session, 1914. At Stanford since 1916.

†VESTAL, ARTHUR GIBSON (123) 14 Cambridge Road, Stanford Park
Assistant Professor of Biology [(PA 2268W)

A.B., Illinois, 1911; A.M., Colorado, 1913; Ph.D., Chicago, 1915. Instructor in Biology, University of Colorado, 1911–14, and Summer Sessions, 1919, 1920; Professor of Biological Sciences, Eastern Illinois State Normal School, 1915–20. At Stanford since 1920.

VONGELDERN, HANS (1234) 1765 Vallejo, SF-sf (Fillmore 7951)
Clinical Instructor in Obstetrics and Gynecology

A.B., University of California, 1916; M.D., Stanford, 1920. Senior Interne, Obstetrics and Gynecology, Lane Hospital, 1920–21, Resident, 1921–22; Assistant Visiting Obstetrician and Gynecologist, San Francisco Hospital, since 1921. At Stanford since 1922.

†WARNER, GLENN SCOBEY (123) 217 Madroño Ave. (PA 2403)
Director of Football

LL.B., Cornell University, 1894. At Stanford since 1922.

†WEBSTER, DAVID LOCKE (123) Dolores (PA 1694)
Professor of Physics

A.B., Harvard, 1910, Ph.D., 1913. Assistant in Mathematics, Harvard University, 1909–10, Instructor, 1910–14, Assistant in Physics, 1911–15, Instructor, 1915–17;

Assistant Professor of Physics, University of Michigan, 1917; First Lieutenant, Science and Research Division, A.S.S.R.C., later B.A.P., 1917–18, Captain, 1918; Assistant Professor of Physics, Massachusetts Institute of Technology, 1919–20. At Stanford since 1920.

†WEDEL, OSWALD HENRY (123) 480 Cornell (PA 2811J)
Instructor in Citizenship

A.B., Arizona, 1923; A.M., Stanford, 1924. At Stanford since 1924.

WEGNER, WALTER W. (123) 235 Stanford Union (PA 2900)
Instructor in Civil Engineering

At Stanford since 1924.

WENTWORTH, MARION CRAIG (MRS.) (123) 19 Salvatierra (PA 964W)
Acting Instructor in English (Public Speaking)

B.S., University of Minnesota, 1894. Student, Curry School of Expression, Boston, 1895; Instructor in Expression, St. Paul (Minn.) High School, 1896; Instructor in Expression, Milwaukee State Normal School, 1896–99; Reading and Lecture Platform in the United States since 1899.

†WENZEL, ROBERT NICOLAS (124) 1112 Ramona-p (PA 782J)
Instructor in Chemistry

A.B., Stanford, 1916, Engineer (in Chemistry), 1917. At Stanford since 1923.

†WERNER, RICHARD J. (4) Stanford University
Lecturer in Education (Summer Quarter)

B.S., Oregon Agricultural College, 1917; A.M., University of California, 1926. County Agricultural Agent, Oregon, 1917–18; Agricultural Instructor, Esparto High School, 1919–20, Principal, 1920–23; State Supervisor of Agricultural Instruction, California, since 1923.

†WEST, VICTOR J. (124) 326 Addison (PA 670R)
Professor of Political Science

Ph.B., Chicago, 1905. Instructor in English and Civics, Bradley Polytechnic Institute, 1905–6; Fellow in Political Science, University of Chicago, 1908–10, Assistant in Political Science, 1910; Instructor in Politics, Northwestern University, 1910–13; Assistant Chief of Service, Illinois Progressive Service Board, 1913; Instructor in Political Science, University of California, Summer Session, 1915; Special Investigator, U.S. Bureau of Efficiency, 1918, 1920–21; Acting Professor, University of Minnesota, University of Chicago, Summer, 1924. At Stanford since 1913.

†WEYMOUTH, FRANK WALTER (234) 3 Salvatierra
Associate Professor of Physiology

A.B., Stanford, 1909, A.M., 1911, Ph.D., 1923. Assistant in Physiology, Johns Hopkins University, 1912–13. At Stanford since 1910.

†WHITAKER, ALBERT CONSER (234) 9 Alvarado (PA 1081J)
Professor of Economics

A.B., Stanford, 1899; Ph.D., Columbia, 1904. Scholar in Economics, Columbia University, 1899–1900. Fellow, 1900–1901; Student, University of Berlin, 1901; Lecturer in Economics and Social Science, Columbia University, 1906–7; Lecturer in Economics, University of California, Summer Sessions, 1906, 1911, 1924; Acting Professor of Economics, University of Chicago, second half of 1911–12 and 1912–13. At Stanford since 1902.

†WHITMORE, CHARLES S. (123) 149 Webster (PA 326W)
Assistant Professor of Military Science and Tactics (Field Artillery)

Graduate, United States Military Academy, 1920. First Lieutenant, Field Artillery, U.S.A. At Stanford since 1925.

†WHITTIER, CLARKE BUTLER (123) Santa Cruz Ave., Menlo Heights
Professor of Law [(PA 1243R)

A.B., Stanford, 1893; LL.B., Harvard, 1896. Attorney at Law, Los Angeles, 1895–96; Student, Stanford University, 1896–97, Instructor in Law, 1897–99, Assistant Professor, 1899–1900, Associate Professor, 1900–1902; Professor of Law, University of Chicago, 1902–14. At Stanford, 1897–1902, and since 1915.

WIEDMANN, MILTON LAURENCE (123) 222 Stanford Union (PA 2900)
Instructor in Mathematics

A.B., Stanford, 1925, Engineer, 1926. At Stanford since 1925.

†WILBUR, RAY LYMAN (1234) Lagunita Knoll (PA 46)
President of the University

A.B., Stanford, 1896, A.M., 1897; M.D., Cooper Medical College, 1899; LL.D., California, 1919, Arizona, 1919, Pennsylvania, 1925; Sc.D., Syracuse, 1924. Assistant in Physiology, Stanford University, 1894–96, Instructor, 1896–97; Lecturer and Demonstrator in Physiology, Cooper Medical College, 1899–1900; Assistant Professor, Stanford, 1900–1903; Professor of Medicine, and Dean of the Stanford Medical School, 1909–16. At Stanford, 1894–97, 1900–1903, and since 1909.

†WILDMAN, MURRAY SHIPLEY (134) 24 Cabrillo (PA 1179)
Professor of Economics

A.B., Earlham, 1893; Ph.D., Chicago, 1904. Professor of History and Economics, Central College (Mo.), 1904–5; Instructor in Economics, University of Missouri, 1905–6, Assistant Professor, 1906–8; Acting Assistant Professor, University of Chicago, Summer Quarter, 1909; Assistant Professor of Economics and Commerce, Northwestern University, 1909–11, Professor, 1911–12. At Stanford since 1912.

†WING, CHARLES BENJAMIN (123) 345 Lincoln (PA 445W)
Professor of Structural Engineering

C.E., Cornell, 1886. Fellow in Civil Engineering, Cornell University, 1886–87, Instructor, 1887–90, Assistant Professor, 1890–91; Engineer, Pompton (N.J.) Powder Co., 1887, Phoenix Powder Co., Farmingdale (N.J.), 1888; Assistant Engineer, Berlin (Conn.) Iron Bridge Co., 1889–90; Professor of Bridge and Hydraulic Engineering, University of Wisconsin, 1891–92. At Stanford since 1892.

†WOLFSOHN, JULIAN MAST (123) 1800 Gough, SF-sf (Fillmore 3696)
Associate Clinical Professor of Medicine (Neurology)

A.B., University of California, 1905, M.S., 1907; M.D., Johns Hopkins University Medical School, 1911. Research Assistant, Herzstein Laboratory, University of California, 1906–7; Medical House Officer, Johns Hopkins Hospital, 1911–12; Major, M.C., U.S.A., May 1917 to September 1919. At Stanford since 1913.

†WOLTER, HARRY (123) 6 Cowper Court-p (PA 1377W)
Director of Baseball

At Stanford since 1923.

†WOOLSEY, CHESTER HOWARD (123) 2220 Sacramento, SF-sf (Fillmore 941)
Clinical Instructor in Surgery (Genito-Urinary)

B.S., California, 1895, M.D., 1901. Assistant to Chair of Clinical Medicine, University of California, 1902–6; State Bacteriologist, California, 1903–4; Assistant to Chair of Genito-Urinary Surgery, Cooper Medical College, 1911–12. At Stanford since 1912.

†WORKING, HOLBROOK (1234) 1739 Waverley (PA 1909J)
Economist, Food Research Institute

A.B., Denver, 1915; A.M., Cornell, 1919; Ph.D., Wisconsin, 1921. Instructor in Economics, Cornell, 1916–17, 1919; Fellow in Economics, Wisconsin, 1919–20; Assistant Professor of Agricultural Economics, Minnesota, 1920–23, Associate Professor, 1923–25. At Stanford since 1925.

†Wright, Conrad Payling (234) 481 Lytton (PA 736J)
Junior Research Associate, Food Research Institute
A.B., Oxford, 1920. At Stanford 1923–25 and since January 1926.

Wright, Wallace (4) 10 Stanford Union (PA 2900)
Acting Instructor in Economics (Summer Quarter)
A.B., Dartmouth, 1919; A.M., Stanford, 1924. Instructor in Economics, Dartmouth College, 1921–23; Food Research Fellow, Stanford, 1923–24. At Stanford since 1923.

†Wyckoff, Harry Alphonso (123) 417 Oakland, Oakland-o
Assistant Professor of Medicine [(Glencort 2859)
A.B., Stanford, 1907, M.D., 1916. Head of Department of Physical Education, Los Angeles High School, 1907–12; Bacteriologist, San Francisco Board of Health Laboratories, 1917; Pathologist, Napa State Hospital, 1918. At Stanford since 1919.

[†Yerington, Henry Herbert Redwood City-Box 27, rc (R659)
Associate Clinical Professor of Medicine (Pediatrics)]
M.D., Columbia University, 1908. Student, Stanford University, 1900–1904, Bellevue Hospital, New York, 1909–10; House Physician, Pediatric Service, Bellevue Hospital, 1909–10; Instructor in Pediatrics, Cooper Medical College, 1910–11; Visiting Pediatrician, San Francisco Hospital, Assistant, Visiting Staff, Children's Hospital, San Francisco. At Stanford since 1913.

Yost, Mary (1234) 2 Lasuen (PA 1203)
Dean of Women, and Associate Professor of English
A.B., Vassar, 1904, A.M., 1912; Ph.D., Michigan, 1917. Graduate Scholar, Vassar College, 1904–5; Assistant in English, Wellesley College, 1906–7; Instructor in English, Vassar College, 1907–13; Fellow, University of Michigan, 1913–15; Assistant Professor, Vassar College, 1915–21; Reader, College Entrance Examination Board, 1912–18, Head Reader and Examiner, 1918–21. At Stanford since 1921.

Young, Stewart Woodford (123) Santa Cruz Ave., Menlo Heights
Professor of Physical Chemistry
B.S., Cornell, 1890. Assistant in Chemistry, Cornell University, 1890–91; Instructor in Chemistry, Swarthmore College, 1891–93. At Stanford since 1893.

Zapoleon, Louis B. (1234) 9 Stanford Union (PA 2900)
Economist, Food Research Institute
Student, George Washington University, Harvard; Statistician, U.S. Department of Agriculture, 1906–16; successively, Special Expert, Chief, Division of Agricultural Products and Provisions, and Agricultural Economist, U.S. Tariff Commission, 1917–25; Expert, Ways and Means and Senate Finance Committees, 1920–21. At Stanford since 1925.

†Zobel, Alfred Jacob (123) 352 Lake, SF-sf (Pacific 119)
Lecturer on Proctology
M.D., Cooper Medical College, 1898. Assistant Prosector, Anatomy Department, Cooper Medical College, 1899-1900, Assistant Medical Clinic, 1899; Assistant Medical Clinic, San Francisco Polyclinic, 1901–3, Associate Professor in Medicine, 1904–5, Associate Professor of Proctology, 1906–9, Chief of Department of Rectal Surgery, since 1909; Consulting Rectal Surgeon, Mt. Zion Hospital, 1917; Visiting Rectal Surgeon, San Francisco Hospital, since 1908. At Stanford since 1918.

ASSISTANTS IN INSTRUCTION AND RESEARCH

de Aberle, Sophie (Mrs.), Anatomy (3) 4 Lasuen (PA 1746J)
A.B., Stanford, 1923, A.M. 1925.

Adams, William Forbes, History (4) 1359 Byron-p (PA 1632W)
A.B., Stanford, 1921.

†Aguerrevere, Angel, Romanic Languages (123) 213 Emerson (PA 757M)
A.B., Stanford, 1925, A.M., 1926.

†Allred, W. Lyle, Physics (123) Menlo Heights (PA 2877R)
A.B., Brigham Young, 1909; A.M., Stanford, 1925.

Anthony, Donald Elliott, Economics (23) 340 Murphy, Sunnyvale-s (S 183)
A.B., Stanford, 1922.

Atkinson, Helen Engel (Mrs.), Music (Orchestra) (23) 201 Pope-p

Baker, Eunice K., Research Assistant, Political Science (1234) 25 Alvarado (PA 1923W)
A.B., Stanford, 1926.

†Bakhuyzen, H. L. van de Sande, Research Assistant, Food Research Institute (1234) University Park (PA 2077R)

Barber, Elsa Jean, English (2) 1 Salvatierra
A.B., Stanford, 1925, A.M., 1926.

Bathgate, Cecilia Florence, Research Assistant, Psychology (Study of Foster Children) (1234) 680 S. Westmoreland Ave., Los Angeles-la
A.B., California, 1921, A.M., 1923. Fellow in Logic, California, 1922, Fellow in Psychology, 1922–23, 1924–25.

Bell, Mary A., Research Assistant, Psychology (23) 1 Salvatierra (PA 1025)
A.B., University of Colorado, 1925.

Benjamin, Harold R., Practice Teaching (Education) (123) 889 Stanford (PA 1830R)
A.B., University of Oregon, 1920, A.M., 1924.

Bennett, Victor W., Economics (123) 12 Stanford Union (PA 2900)
A.B., Pennsylvania College, 1917; A.M., University of Pittsburgh, 1924.

Benson, Cecil Raney, Electrical Engineering (123) 1515 Franklin, Santa Clara-sc
A.B., Stanford, 1925, Engineer, 1926.

Benson, Gilbert Theron, Botany (3) Kingscote (PA 2567J)
A.B., Stanford, 1923, A.M., 1925.

Bigham, Truman Cicero, Economics (3) 543 Byron-p (PA 2251W)
A.B., Baylor, 1920; A.M., Chicago, 1925.

Billard, Marguerite, Romanic Languages (2) 427 Embarcadero-p
A.B., Smith College, 1912, A.M., 1919.

Brown, Carolyn Peirce (Mrs.), Pharmacology (34) 2211 California, SF-sf (Walnut 6292)
A.B., Stanford, 1926.

Burgess, Dorothy Grace, General Biology (123) 834 Kipling
B.S., Montana State College, 1923; A.M., Stanford, 1925.

Burk, Georgina, Physical Education (123) San Juan Hill (PA 1161W)

Burks, Barbara Stoddard, Research Assistant, Psychology (Study of Foster Children) (1234) 337 Hamilton-p (PA 1809R)
A.B., Stanford, 1924.

Burlingame, Mildred Edith, Research Assistant, Psychology (Adult Education) (123) 24 Alvarado (PA 1144)
A.B., Stanford, 1925.

†Burns, Robert, Jr., Dental Clinic (123) 135 Butler Bldg., SF-sf (Douglas 2493)
D.D.S., California, 1902. Dental Surgeon, U.S. Marine Hospital, San Francisco, 1902–3; Visiting Dental Surgeon, St. Francis Hospital.

†Callison, Ferd Walter, Surgery (123) 1680 Ninth Ave., SF-sf (Sunset 4693)
M.D., College of Physicians and Surgeons, San Francisco, 1918. Interne, Stanford Service, San Francisco Hospital, 1918; Resident Physician, St. Francis Hospital, 1918–19, San Francisco Polyclinic, 1919–22; Assistant, Surgical Clinic, San Francisco Polyclinic, since 1922.

Campbell, John Lockhart, Clinic Dentist (123) 1820 Sixty-second St., Berkeley-b (Piedmont 6376J)
D.D.S., California, 1917. Clinic Dentist, San Francisco Polyclinic, 1917–18, Baby Hospital of Alameda County, 1917–19; Detention Home of Juvenile Court of City and County of San Francisco, since 1918, Assistant in Clinical Dentistry, University of California, 1918–19; Lieutenant, D.C., U.S.A. At Stanford since 1919.

†Case, Nelson Perry, Physics, and Mathematics (123) 659 Forest-p (PA 693M)
A.B., Stanford, 1924, Engineer, 1926.

Cattell, Psyche, Research Assistant, Psychology (123) 2 Mirada (PA 247)
Ed.M., Harvard, 1925.

†Clay, Harry Edwin, Obstetrics and Gynecology (123) 1102 Flood Bldg., SF-sf (Douglas 2483)
M.D., Rush Medical College, 1904. House Surgeon, Passavant Memorial Hospital, 1904–5; Assistant Professor of Surgery, Willamette University, 1911–12, Chair of Gynecology, 1912–15; Member Oregon State Board of Health, 1916, until entry into service; Captain, U.S.A., 1917, Major, 1918. At Stanford since 1920.

Clinton, Isabella Mary, Medicine (Tuberculosis) (123) 2345 Polk, SF-sf (Graystone 3797)
Ph.G., California College of Pharmacy, 1916; M.D., Woman's Medical College of Pennsylvania, 1922. Assistant Resident Physician, Trudeau Sanatorium, 1922; House Officer in Medicine and Tuberculosis, San Francisco Hospital, 1923–24; Visiting Physician, Arequipa Sanatorium, since 1923.

†Cody, Bernard Anthony, Surgery (Genito-Urinary) (123) 610 Geary, SF-sf (Franklin 681)
A.B., Stanford, 1921, M.D., 1925.

Crever, Frederick Emanuel, Electrical Engineering (1) 333 Stanford Union
A.B., Stanford, 1925, Engineer, 1926.

†Darby, Edward A., Assistant to Dr. Barrow (123) Base Hospital-Box 216, p (PA 1842)

†Daugherty, Lyman Harry, Botany (2) 115 Alma-p
A.B., Stanford, 1924, A.M., 1925.

Davy, Donald Gordon, Medicine (123) 384 Post, SF-sf (Douglas 5726)
A.B., Stanford, 1915, M.D., 1920.

Day, Howard C., General Biology (123) 331 Dartmouth (PA 2258J)
A.B., Lawrence College, 1924; A.M., Stanford, 1926.

†Dougherty, John A., Medicine (Dermatology) (123) 2346 Valdez, Oakland-o (Glencort 4675)

A.B., Louisiana State University, 1912; M.D., Vanderbilt University, 1916; M.M.Sc., University of Pennsylvania, 1924. At Stanford since 1925.

†Dudley, Hubert W., Surgery (Eye) (123) 231 Bayview, San Rafael-sr (SR 370J)

M.D., Jefferson Medical College, 1888; M.D., Central College of Physicians and Surgeons, 1899. House Surgeon, New York Aural and Ophthalmic Hospital, 1900–1901; Clinical Assistant and Special Student, Massachusetts General Hospital, 1910–11. At Stanford since 1918.

Duncan, Hiram B., Surgery (123) 969 Flood Bldg., SF-sf (Garfield 6767)

M.D., St. Louis University, 1912. Interne, St. Mary's Hospital, and French Hospital, 1912–13; Medical Corps, U.S.N., 1917–21; Genito-Urinary Clinic, San Francisco Polyclinic, 1914–17, Surgical Clinic, since 1921.

Eberhard, Clara, Germanic Languages (123) 575 Grant, Santa Clara-sc (SC 8W)

A.B., Stanford, 1897, A.M., 1923. Student, University of Berlin, 1903–5.

Edgerton, Harold O., Research Assistant, Psychology (4) 331 Stanford Union (PA 2900)

B.S., Kansas State Teachers College, 1924; A.M., Ohio State, 1926.

Farish, Linn M., Geology (4) Ventura-v

A.B., Stanford, 1925.

Farnsworth, Paul Randolph, Research Assistant, Psychology (123) 15 Stanford Union (PA 2900)

A.B., Ohio State University, 1921, A.M., 1923, Ph.D., 1925. Assistant in Psychology, Ohio State, 1920–22, Special Assistant, Summer, 1922, Instructor, 1922–24; Student, University of Missouri, Summer, 1923; University Fellow, Ohio State, 1924–25.

Fenner, Beatrice Alethea, Mathematics (4) 1010 Forest Court-p (PA 1873M)

A.B., Stanford, 1922, A.M., 1923.

Fernelius, Willis C., Chemistry (3) 327 Stanford Union (PA 2900)

A.B., Stanford, 1926.

Finch, Vincent W., Geology (4) Ventura-v

A.B., Stanford, 1926.

Firestone, Fred, Medicine (Gastro-Intestinal Clinic) (123) 490 Post, SF-sf (Douglas 2160)

B.S., Chicago, 1918; M.D., Rush Medical College, 1920. Interne, Mount Zion Hospital, San Francisco, 1920; Resident Staff, Cook County Hospital, Chicago, 1921–22; Clinical Assistant in Medicine, Mount Zion Hospital, 1922–24. At Stanford since 1924.

†Fordyce, Addison, Medicine (Dermatology) (123) 2421 Green, SF-sf (Fillmore 5063)

B.S., Yale Sheffield Scientific School, 1918; M.D., College of Physicians and Surgeons, Columbia, 1923.

Foster, Frances, Physical Education (Roble Gym.) (4) 22 Lasuen (PA 1021W)

A.B., Stanford, 1925.

Gallegos, Percy, Obstetrics and Gynecology (123) Lane Hospital, SF-sf (West 6193)

A.B., Stanford, 1921, M.D., 1924.

†Gerstle, Mark Lewis, Jr., Obstetrics and Gynecology (23) 490 Post, SF-sf (Kearny 5296)

A.B., Stanford, 1924, M.D., 1925. At Stanford since 1925.

Gieseke, Walter, Germanic Languages (1234) 315 Stanford Union (PA 2900)

A.B., Stanford, 1925, A.M., 1926.

Gillespie, John Wynn, Botany (4) 315 Stanford Union (PA 2900)

B.S., University of Georgia, 1923; A.M., Stanford, 1926.

Glover, Charles A., Economics (4) 322 Stanford Union (PA 2900)

B.S., California, 1921; M.B.A., Harvard, 1923. Sheldon Traveling Fellow (Harvard) for Research in Europe, 1923–24; Instructor, Harvard, since 1924; Head, Report Department, Harvard Graduate School of Business Administration, 1925–26.

†Goldman, Samuel A., Surgery (Genito-Urinary) (123) 960 Flood Bldg., SF-sf (Sutter 175)

M.D., College of Physicians and Surgeons, California, 1907.

Grant, James A. Clifford, Research Assistant, Political Science (4) 207 Stanford Union (PA 2900)

A.B., Stanford, 1924, A.M., 1925.

†Green, Herlwyn R., Anatomy (123) 1211 Emerson-p (PA 1214)

A.B., Brown, 1897, A.M., 1899; M.D., Pennsylvania, 1903.

Greenwood, Gertrude H. (Mrs.), Research Assistant, Food Research Institute (1234) East Palo Alto-R1, Box 184, p

†Gwinn, Charles Dudley, Dental Clinic (123) 490 Post, SF-sf (Kearny 4895)

D.D.S., California, 1917. Lieutenant, Dental Corps, U.S.N.R.F., 1917–19; Instructor in Extraction, Dental Department, University of California, since 1919; Visiting Dentist, French Hospital, since 1920. At Stanford since 1922.

Hablutzel, Charles E., Chemistry (123) 318 Stanford Union (PA 2900)

A.B., Stanford, 1925, A.M., 1926.

Hadden, Fannie, Pediatrics (1234) 2452 Washington, SF-sf (West 3511)

A.B., Stanford, 1917. At Stanford since 1920.

†Haig, Thomas R., Surgery (Orthopedic) (123) 2632 Fillmore, SF-sf (Fillmore 544)

A.B., Stanford, 1918, M.D., 1922. Orthopedic House Officer, Massachusetts General Hospital, Children's Hospital, Massachusetts Hospital School for Cripples, Robert B. Brigham Hospital, 1923–25. At Stanford since 1925.

Hall, Francis C., Mathematics (4) 215 Stanford Union (PA 2900)

B.S., Columbia, 1916, A.M., 1918.

†Hall, James Hinquong, Medicine (123) 1150 Clayton, SF-sf (Market 2006)

A.B., Stanford, 1919, M.D., 1922. Resident Ophthalmologist, Peking Union Medical College, 1922–23.

Hansen, Hazel D., Classical Literature (1234) 3 Lasuen (PA 1151M)

A.B., Stanford, 1920, A.M., 1921, Ph.D., 1926.

†Hanson, Frederic D., Mining and Metallurgy (2) 332 Forest-p

A.B., Stanford, 1924, Engineer, 1926.

†Harding, Victor H., Research Assistant, Political Science (12) 170 Laurel-p (PA 2324)

A.B., Stanford, 1925.

†Harrington, Charles Henry, Chemistry (123) 801 Waverley-p (PA 1390W)
A.B., Stanford, 1925, A.M., 1925.

Hart, Charles Vinton, Chemistry (123) 445 Hamilton
B.S., Yale University, 1925.

†Hartman, Hans, Surgery (123) 2401 Sacramento, SF-sf (Walnut 4048)
A.B., Stanford, 1921, M.D., 1924.

Hays, Harford Holmes, English (123) 825 University-p (PA 2875)
A.B., Stanford, 1924.

†Helsley, Gordon Friedrich, Surgery (123) 800 Monterey Blvd., SF-sf (Randolph 1232)
A.B., Stanford, 1915, M.D., 1918. Assistant Physician, California State Prison, San Quentin, 1918; Physician, State Prison at Folsom, 1918–20; Surgeon, Celite Products Co., 1920–21; House Physician and Surgeon, Greenpoint Hospital, New York City, 1921–22; Student at Vienna, 1922, at Munich, 1923.

Henry, Collice, Romanic Languages (123) Manzanita
A.B., California, 1921, A.M., 1922.

Hesthal, Cedric Edward, Physics (123) 483 Addison-p (PA 2033)
A.B., Stanford, 1925.

Hinkle, George Henry, English (23) 611 Bryant-p (PA 323R)
A.B., Stanford, 1926.

†Hobdy, William Catt, Obstetrics and Gynecology (123) 490 Post, SF-sf (Garfield 829)
B.S., Kentucky, 1893; M.D., Columbia, 1896. House Surgeon and Physician, Patterson General Hospital, 1896–98; U.S. Public Health Service, 1898–1910; Chief Quarantine Officer, San Francisco, 1906–9; Visiting Physician, Queen's Hospital, Honolulu, 1910–11, Visiting Surgeon, 1911–15; Member Territorial Board of Health, Honolulu, 1911–21; President, Medical Society, Hawaii, 1912–13; Visiting Surgeon, Children's Hospital, Honolulu, 1917–18. At Stanford since 1920.

†Hunsberger, Harvey Samuel, Medicine (Radiology) (123) 391 Sutter, SF-sf (Sutter 7358)
A.B., Olivet, 1911; M.D., Rush Medical College, 1918. Interne, Southern Pacific Hospital, 1918–19; Resident, Mount Zion Hospital, 1919–20; Lieutenant, U.S.N.R.F., since 1922.

Ihrig, Laura J., Research Assistant (Public Health and Preventive Medicine) (34) 2678 California, SF-sf
A.B., California, 1924

Jackson, Kathleen Condict, Economics (12) University Park
A.B., Vassar, 1924.

†James, Vern, Mathematics (124) 604 Tennyson-p (PA 689R)
A.B., Indiana, 1912; A.M., Columbia, 1916.

Jensen, Dortha Williams (Mrs.), Research Assistant (Study of Gifted Children) (1234) 274 Park Blvd.
A.B., Indiana State Normal School, 1922; A.M., Ohio State University, 1925. Assistant in Chemistry, Indiana State Normal School, 1920–22; Instructor in English and Spanish, Straughn (Ind.) High School, 1922–23; Assistant Principal, Cowan (Ind.) High School, 1923–24.

†Jensen, Milton B., Education (3) 274 Park Blvd.
B.S., Utah Agricultural, 1924; A.M., Stanford, 1925.

Jones, J. Walter, Medicine (123) 490 Post, SF-sf (Sutter 376)
A.B., Stanford, 1913, A.M., 1914, M.D., 1921. Resident in Surgery, Lane Hospital, 1922–23. At Stanford since 1923.

Kay, Mary Evelyn, Research Assistant, Physiology and General Biology (1234) 834 Kipling-p (PA 668R)
A.B., Tulane, 1924.

Kendall, Lois Marjorie, Medicine (Physiotherapy) (12) Stanford Hospital, SF-sf
A.B., Wellesley, 1913, Graduate of Physical Education Department, 1916. Assistant in Physical Education, Emma Willard School, Troy (N.Y.), 1916–17; Director of Physical Education, Russell Sage College, Troy (N.Y.), 1916–20; Assistant in Physical Education, Stanford University, 1920–23.

Kildale, Malcolm Brus, Geology (4) Ventura-v
A.B., Stanford, 1921.

†Kitagawa, Kay Jiro, Medicine (123) 1780 Post, SF-sf (Fillmore 5288)
A.B., Stanford, 1914, M.D., 1919.

Knapp, Joseph Grant, Economics (123) University Park (PA 724M)
B.S., University of Nebraska, 1922.

Laslett, Herbert R., Psychology (12) 373 Channing-p
A.B., Kansas, 1918; A.M., Stanford, 1923, Ph.D., 1926.

Lawrence, George Louis, Romanic Languages (4) 13 Stanford Union (PA 2900)
A.B., Stanford, 1913, A.M., 1914.

Loveless, Mary Hewitt (Mrs.), Medicine (Pediatrics) (3) 2390 Twenty-first Ave., SF-sf
A.B., Stanford, 1921, M.D., 1925.

Lum, Donald Dyer, Medicine (Dermatology) (123) 1200 San Antonio, Alameda-a (A 272)
A.B., California, 1919, A.M., 1920; M.D., Harvard, 1922.

McClelland, John M., English (123) Menlo Park-mp
A.B., Stanford, 1924, A.M., 1925.

†McKenzie, Roger Bain, Medicine (3) 2401 Sacramento, SF-sf (Fillmore 3236)
A.B., California, 1919; M.D., Stanford, 1924.

McLeod, Norman John, History (4) 367 Everett-p
Ed.B., California, Southern Branch, 1924.

Marburg, Helen, Romanic Languages (1234) 10 Salvatierra (PA 1059)
A.B., University of London, 1914.

Marshall, Helen, Psychology, and Neuro-Psychiatric Clinic (1234) 1022 Chula Vista, Burlingame-b (B 4955W)
A.B., Lake Erie, 1913; A.M., Ohio State, 1918. Research Assistant, Commonwealth Fund, Department of Psychology, Stanford University, 1921–23; Assistant in Psychology and Neuro-Psychiatry Clinic, 1923–24. At Stanford since 1921.

Meherin, J. Minton, Surgery (San Francisco Hospital) (123) 490 Post, SF-sf (Kearny 1238)
M.D., Harvard, 1922. Interne, San Francisco Hospital, 1922–23.

†Mensor, Merrill C., Surgery (Orthopedics) (123) 2224 Nineteenth Ave., SF-sf (Sunset 4213)
M.D., California, 1923. Resident Surgeon, Shriners Hospital for Crippled Children, 1923–24; Surgeon, San Francisco Emergency Service, 1924–26; Visiting Orthopedic Surgeon, Mary's Help Hospital, since 1924. At Stanford since 1924.

Michelson, Lewis, Obstetrics and Gynecology (1234) 490 Post, SF-sf (Kearny 4458)
M.D., Cooper Medical College, 1917. Student, Vienna, 1910–11; Special Worker, Brady Urological Institute, Johns Hopkins University, 1916–17; Director of Bureau of Social Hygiene, California State Board of Health, since 1918. At Stanford since 1917.

Minner, Victor J., Mining and Metallurgy (3) 536 Encina
A.B., Stanford, 1925.

Mitchell, Roberta Hasty, Chemistry (12) 30 Lasuen
A.B., Stanford, 1925.

Morris, Laird M., Medicine (123) 1016 Lake, SF-sf (Bayview 5786)
M.D., California, 1916.

Morse, Stanley W., Chemistry (1234) 10 Salvatierra (PA 1059)
A.B., Hanover, 1920; A.M., Stanford, 1926.

Myers, Mabel A., English (1) 1 Salvatierra
A.B., State University of Iowa, 1921.

†Nelson, Roy Frank, Surgery (Ear, Nose, and Throat) (123) 2401 Sacramento, SF-sf (Fillmore 9809)
A.B., Knox, 1919; M.D., Stanford, 1924.

Niemann, Christian William, Chemistry (12) 1176 Emerson-p
A.B., Stanford, 1925, A.M., 1926.

Norberg, Raymond W., Chemistry (3) 324 Stanford Union (PA 2900)
A.B., Stanford, 1925.

Nyswander, Dorothy (Mrs.), Research Assistant, Psychology (4) Kingscote
A.B., Nevada, 1915, A.M., 1915; Ph.D., California, 1926.

O'Connor, Zena, Research Assistant, Psychology (Study of Foster Children) (1234) 465 Post, SF-sf

O'Dooley, Daniel Joseph, Romanic Languages (3) Menlo Heights
A.B., Stanford, 1926.

Ostroff, Robert Allison, Surgery (123) 653 Sutter, SF-sf (Douglas 6779)
A.B., Nevada, 1915; M.D., Stanford, 1919.

Ottinger, Millard R., Obstetrics and Gynecology (123) 1020 Union, SF-sf (Franklin 4777)
M.D., College of Physicians and Surgeons, San Francisco, 1918.

Parrott, James Clifford, Medicine (Pediatrics) (123) 380 Post, SF-sf (Garfield 146)
M.D., Stanford, 1920.

Patrick, David Lyall, English (12) 10 Stanford Union (PA 2900)
A.B., Iowa, 1922; A.M., Stanford, 1926.

Peacock, Henry Bates, Physics (4) 333 Waverley-p
Ph.D., Iowa, 1925.

Perham, Don DeBlois, English (23) 335 Melville-p
A.B., Stanford, 1924, A.M., 1926.

Peterson, C. Emelia, Research Assistant (Public Health and Preventive Medicine) (34) 2424 Washington, SF-sf (Fillmore 4782)
A.B., California, 1921, A.M., 1922.

Phillips, Walter Thomas, Romanic Languages (13) 435 Homer-p
A.B., Washington, 1925; A.M., Stanford, 1926.

Plowe, Janet Quentin, General Biology (123) Manzanita
A.B., Stanford, 1925, A.M., 1926.

Ramelli, Eda, Romanic Languages (12) 3 Lasuen (PA 1151M)
B.L., California, 1913; A.M., Stanford, 1926.

Rethwilm, Lorruli Anna, Surgery (Anaesthesia) (123) 2217 Webster, SF-sf (West 399)
A.B., Washington University, 1913; M.D., Stanford, 1917. At Stanford since 1921.

†Rodin, Frank H., Surgery (Eye) (123) Lane Hospital, SF-sf (West 6193)
A.B., Manitoba, 1916, M.D., C.M., 1920. House Surgeon, Winnipeg General Hospital, 1919–20; Eye, Ear, Nose, and Throat Clinics, Washington University, 1923–24. At Stanford since 1924.

Rorden, Harold Louis, Mathematics (12) 305 Sequoia
A.B., Stanford, 1925, Engineer, 1926.

†Rosburg, August Henry, Surgery (123) 720 Flood Bldg., SF-sf (Garfield 974)
A.B., Iowa, 1909; M.D., Rush Medical College, 1912. Interne at Los Angeles County Hospital, 1912–13; Three-year Fellowship at the Mayo Foundation, 1918–20. At Stanford since 1921.

†Schenck, Hubert G., Geology (4) Ventura-v
A.B., Oregon, 1922, A.M., 1923; Ph.D., California, 1926.

†Schilling, Walter, Medicine (Neurology) (2) 1980 Washington, SF-sf (Walnut 2123)
A.B., University of California, 1919, A.M., 1920; M.D., Harvard University, 1924. Senior Interne in Neuropsychiatry, Lane Hospital, 1924–25. At Stanford since 1925.

Schilpp, Paul Arthur, Psychology (4) 327 Stanford Union (PA 2900)
A.M., Northwestern, 1922.

Schwartz, Eva Doris, Bacteriology (12) 741 Costa Rica Ave., San Mateo-sm
A.B., Stanford, 1925.

Sheehy, Frank, Surgery (San Francisco Hospital) (12) 516 Sutter, SF-sf (Garfield 686)
M.D., San Francisco College of Physicians and Surgeons, 1920. Interne, San Francisco Hospital, 1920–21, House Officer, Surgery, San Francisco Hospital, 1921–22, Resident Surgeon, 1922–23.

†Sherman, Julius, Medicine (123) 288 Twenty-ninth Ave., SF-sf (Bayview 24)
M.D., California, 1916. Interne, Mt. Zion Hospital, 1916–17; Assistant in Medicine, University of California Medical School, 1917–21.

†Shevky, Eshref, Research Assistant, Pathology (123) Summit Ave., Mill Valley-mv (MV 620R)
Ph.D., Stanford, 1922.

†Shinn, Henry Arthur, Public Speaking (12) 759 Webster
A.B., Kansas, 1916; J.D., Stanford, 1926.

Smith, Jessie Edna, Romanic Languages (123) 2 Finger Ave., Redwood City-rc
A.B., Stanford, 1916, A.M., 1917.

Smith, W. Corell, Chemistry (4) 512 Lytton
A.B., Stanford, 1926.

Smyth, Howard McGaw, History (4) 219 Toyon
A.B., Reed, 1923.

†Sonnenberg, Arthur, Medicine (123) 647 Flood Bldg., SF-sf (Kearny 7797)
M.D., University of Kiel, Germany, 1921.

Stark, Anna Vaal, Education (Girl Scout Leadership) (24) 500 Melville-p
A.B., Stanford, 1917.

Stucky, M. Ruth, Romanic Languages (12) Manzanita
A.B., Stanford, 1925, A.M., 1926.

†Sullivan, James M., Medicine (123) 691 Fourteenth Ave., SF-sf (Bayview 2756)
B.S., St. Louis University, 1922, M.D., 1923. Resident Physician, St. Mary's Hospital, 1923–24. Surgeon, Emergency Hospital Service, since 1924.

Talbot, Elizabeth Presho (Mrs.), Pharmacology (12) Stanford Medical School, SF-sf (West 6193)
A.B., Stanford, 1921.

Thompson, Nesta Mary, Romanic Languages (123) 1 Salvatierra (PA 1025)
A.B., University of Washington, 1916, A.M., 1919; Ph.D., Stanford, 1926.

Thuma, Burton Doan, Research Assistant, Psychology (Adult Education) (123) 8 Stanford Union (PA 2900)
B.S., Michigan, 1923, M.S., 1925. Laboratory Assistant in Psychology, Michigan, 1923–24, Fellow in Psychology, 1924–25.

†Tinker, Miles A., Psychology (4) 918 Ramona (PA 2509)
A.B., Clark University, 1921, A.M., 1922.

Varian, Russell Harrison, Physics (23) 334 Lincoln
A.B., Stanford, 1925.

Waitzinger, Ludwig A., Research Assistant, Biology (1234) 531 Harvard (PA 637R)
B.S., Jena University, 1912.

Wall, Hugo, Research Assistant, Political Science (23) 214 Stanford Union (PA 2900)
A.B., Stanford, 1926.

Weightman, Matthew Underwood, Romanic Languages (123) 521 Fulton-p
A.B., Whittier, 1925.

Williams, Gwladys Louise, Romanic Languages (123) Manzanita
A.B., California, 1921, A.M., 1922.

Williams, Thomas B., Bacteriology (1) 28 Lasuen (PA 1142)

Wisely, Horace, Economics (123) 317 Stanford Union (PA 2900)
A.B., Stanford, 1925.

†Wittenberg, Howard E., Economics (1234) 947 Webster-p (PA 786W)
A.B., Stanford, 1925.

†Woods, Edward K., Dental Clinic (123) 4000 Broadway, Oakland-o (Humboldt 3241)
D.D.S., California, 1924.

Wright, Wallace, Economics (123) 10 Stanford Union (PA 2900)
A.B., Dartmouth, 1919; A.M., Stanford, 1924. Instructor in Economics, Dartmouth College, 1921–23.

Wyatt, Horace Graham, Research Assistant, Psychology (2) 1501 Stanford
A.B., Oxford, 1902, A.M., 1910.

†Zyve, David L., Slavic (2) 1130 California (PA 1375J)
M.S., University of Grenoble, 1911.

TECHNICAL ASSISTANTS

Allen, Edna B., Secretary, Food Research Institute (34) 2 Constanso

Allred, Mary A. (Mrs.), Secretary, Physics (234) Menlo Heights (PA 2249R)

†Barrett, Frank C., Anatomy (1234) 129 Emerson-p (PA 2449W)

Bennett, Cassie E. (Mrs.), Secretary, Economics (1234) 158 Kingsley-p (PA 782W)

Benson, Gilbert Theron, Librarian, Dudley Herbarium Library (3) Kingscote (PA 2567J)
A.B., Stanford, 1923, A.M., 1925.

Berger, Alice R., Chemistry (1234) 73 N. Sixth, San José
A.B., Stanford, 1908, A.M., 1913.

Berkowitz, Alexander, Secretary and Technical Assistant to Medical Adviser of Men (Encina Gym.) (4) 318 Emerson-p (PA 701J)

†Borrow, Sidney W., Physics (1234) 520 Lowell-p (PA 1739J)

Boulware, Edna, Secretary, Chemistry (1234) 170 Bryant-p (PA 403J)

†Bruce, Walter Johnson, Chemistry (1234) 415 Florence-p (PA 342W)

Calkins, Robert D., Statistical Assistant, Food Research Institute (1234) 12 Stanford Union (PA 2900)

Curtis, Wilmetta, Librarian and Custodian of Storeroom (School of Biology) (1234) 641 Gilman (PA 1221)

†Daugherty, Lyman H., Biology (3) 115 Alma-p
A.B., Stanford, 1924, A.M., 1925.

Eaton, Evelyn, Secretary, English (123) 30 Lasuen (PA 1029)
A.B., Stanford, 1925.

Ehrmann, Meta, Children's Clinic (3) 3225 Clay, SF-sf (Walnut 6010)

Estus, Mildred Margaret, Classical Literature (4) 651 Waverley-p
A.B., Stanford, 1922, A.M., 1923.

Ferris, Roxana Stinchfield (Mrs.), Botany (1234) 667 Melville (PA 2746W)
A.B., Stanford, 1915.

†Hanson, Frederic D., Mining and Metallurgy (1) 1056 Webster-p
A.B., Stanford, 1924, Engineer, 1926.

Herdman, Dorothy, Secretary, Physical Education (Roble Gym.) (1234) 935 Cowper (PA 712)

Hill, Frank, Mechanical Engineering (1234) Stanford Ave.-Box 451, p

Huskey, Anne K. (Mrs.), Secretary, Civil Engineering (1234) 1344 Emerson (PA 653W)

†Ignacio, Frank, Museum (1234) 526 Lowell

†James, Willis W., Secretary and Technical Assistant to Medical Adviser of Men (123) 429 Second Ave., SF-sf (Pacific 1949)

Kay, Mary Evelyn, Secretary, Physiology and General Biology (1234) 834 Kipling-p (PA 688R)
A.B., Tulane, 1924.

†Kiler, Leslie, Dramatics (Public Speaking) (1234) 202 Portola (PA 2805J)
A.B., Stanford, 1924.

King, Perry Stanley, Statistical Assistant, Food Research Institute (1234) 711 Middlefield-p (PA 395W)

†Kirk, Howard M., Technician, Geology (1234) 315 Stanford Union (PA 2900)
A.B., Stanford, 1924.

Kulmann, C. Albert, Mechanical Engineering (Aero-Dynamic Laboratory) (34) 324 Stanford Union (PA 2900)
A.B., Stanford, 1926.

†Lemos, Frank B., Museum (1234) 552 Tennyson (PA 2226J)

†Lemos, John T., Art Gallery (1234) 627 Seale (PA 1421W)

Lindbloom, G. N., Mining and Metallurgy (12) 331 Emerson-p

Merriam, Katharine, Secretary to Dr. Davis, Food Research Institute (1234) 834 Kipling (PA 668R)
A.B., Mt. Holyoke, 1924.

Murray, Katherine, Secretary, Psychology (1234) 1011 Fulton-p (PA 1219J)

Newnan, Gladys, Bacteriology (1234) Mountain View-mv (MV 13F1)
A.B., Stanford, 1924.

Oldroyd, Ida Shepard (Mrs.), Curator, Geology (12) 10 Alvarado (PA 198)

†Oldroyd, Thomas Shaw, Assistant Curator, Geology (12) 10 Alvarado (PA 198)

Plant, Catharine M., Secretary, Military Science and Tactics (123) 404 Cowper (PA 1339)

†Richards, Oscar W., Physiology (Hopkins Marine Station) (4) Pacific Grove-pg

Robertson, Sidney Hawkins (Mrs.), Secretary, Geology (1234) University Park (PA 807M)
A.B., Stanford, 1924.

Rose, Karl, Glass-blower, Chemistry (1234) 718 Bryant-p

Rooney, Margaret, Secretary, Food Research Institute (1234) 1425 Alma-p (PA 1541)

†Schall, Ulysses A., Mining and Metallurgy (34) 429 Ruthven-p (PA 819R)

†Scott, Thomas Benjamin, Storekeeper, Chemistry (1234) Mayfield-m

Smith, W. Corell, Chemistry (3) 512 Lytton
A.B., Stanford, 1926.

Snoddy, Charles, Secretary, Military Science and Tactics (34) Hotel Ramona-p (PA 1549)

Stevens, Julia, Mechanical Engineering (1234) 926 Cowper-p (PA 550J)

Stuart, Burton, Physics (1234) Mayfield-m

Tanner, Hilda V. (Mrs.), Secretary, Mining (1234) 1111 High (PA 413)

†Todd, Edwin Thayer, Mechanical Engineering (Aero-dynamic Laboratory) (12) 635 Homer-p
A.B., Stanford, 1924.

Tyler, Rose T. (Mrs.), Secretary, History (1234) 209 Webster-p

†Uhlman, Walter, Engineer, Mechanical Engineering (1234) 305 Emerson-p (PA 1110J)

Warmington, Jean M. (Mrs.), Secretary to Dean, School of Engineering (1234) Stanford Park (PA 245J)

Webster, Lawrence E., Chemistry (4) 252 Toyon (PA 2900)
A.B., Stanford, 1926.

Wells, Margaret S. (Mrs.), Librarian, Education (1234) 422 Tasso-p (PA 554J)

ASSISTANTS IN ADMINISTRATION

OFFICE OF THE PRESIDENT

Boezinger, Olivia, Secretary to Dean of Women (1234) University Park (PA 798W)
A.B., Stanford, 1924.

Church, Vivienne, Secretary to Dean of Men (1234) Los Altos (LA 31W)

Curry, Elizabeth, Assistant, Appointment Secretary's Office (1234) 353 Addison-p (PA 1328W)

Hull, Mary, Assistant, Appointment Secretary's Office (1234) Kingscote
A.B., Stanford, 1925.

Jayne, Verona Price (Mrs.), Secretary to Alumni Secretary (12) 1827 Cowper-p (PA 522M)
A.B., Stanford, 1918.

Krogh, Kathryn, Assistant, Appointment Secretary's Office (1234) 951 Forest-p (PA 1560M)

Little, Jean, Secretary to Alumni Secretary (34) 240 Kellogg-p (PA 939J)

Spenner, Irene (Mrs.), Clerical Assistant, Appointment Secretary's Office (1234) North Palo Alto-R1, Box 3H, p (PA 831W)
A.B., Indiana University, 1923.

Stewart, Jane (Mrs.), Executive Assistant, Appointment Secretary's Office (1234) 147 Emerson-p

†Tussing, Ford M., Assistant to Dean of Men (Board of Athletic Control) (123) 320 Fulton-p
A.B., Stanford, 1924.

OFFICE OF THE REGISTRAR

Bernreuter, Robert Gibbon, Assistant (1234) 306 Stanford Union (PA 2900)
A.B., College of the Pacific, 1924.

Billings, Geraldine, Assistant (1234) 553 Forest
A.B., Stanford, 1922, A.M., 1923.

Brashear, Edith A. (Mrs.), Assistant (34) 256 University, Los Gatos-lg (LG 39R)

Gibson, Etta, Assistant (1234) Alta Mesa

Harvielle, Isabel Bailey, Assistant (1) Kingscote

Moore, Myrtle, Assistant (1234) Alta Mesa
Ph.B., University of Chicago, 1922.

Rowland, Mary De, Assistant (1234) 1 Salvatierra (PA 1025)

Stephenson, Florence May, Stenographer (12) 257 Hawthorne-p

Weichselfelder, Marguerite, Assistant (1234) 456 Ruthven-p (PA 1858W)
A.B., Stanford, 1925.

THE LIBRARY

Belenky, Lucas, Loan Desk (14) 1431 Waverley-p

Boezinger, Lina, Typist, Hoover War Library (1234) 431 Channing-p (PA 1289)

Bugge, Elwyn, Assistant, Loan Desk (1234) 318 Lincoln-p (PA 119)

Calley, Barbara Alderton (Mrs.), Cataloguer, Hoover War Library (123) 915 Channing-p (PA 973J)
A.B., Stanford, 1916.

Carr, William G., Assistant, Loan Desk (123) 935 Ramona-p
A.B., Stanford, 1924.

Cook, Edith, Order Division (1234) Los Altos-la (LA 164W)

Davis, Ruth Carol, Typist, Hoover War Library (1) 960 Forest-p (PA 265M)
A.B., Stanford, 1925.

Dawson, Orcena, Order Division (1234) Los Altos-la

Dobbel, Edith, Assistant, Reference Division (4) 640 Forest-p

Evans, Lucy, Assistant, Loan Desk (1234) 519 Webster-p (PA 2430W)

Jones, Lucile Rumbek (Mrs.), Secretary to the Librarian (123) 1024 Emerson-p (PA 548W)

Kelso, Mabel A., Secretary, Hoover War Library (1234) 151 Melville-p

Krassovsky, Dimitry M., Assistant, Loan Desk (1234) 611 Bryant (PA 3931)

J.D., University of Petrograd, 1916.

Landweer, I. E., Cataloguer, Hoover War Library (34) 1931 Alameda, Santa Clara-sc

Lantzeff, George, Assistant, Loan Desk (4) 1431 Waverley-p

McCracken, Margaret, Typist, Hoover War Library (234) 17 Lasuen

McLean, Philip T., Assistant Reference Librarian, Hoover War Library (1234) 330 Waverley

A.B., Pomona, 1925.

Maier, Louise, Typist, Catalogue Division (1234) Mayfield-Box 277, m (PA 2260W)

Miles, Bonita E., Cataloguer (1234) 1 Salvatierra (PA 1025)

A.B., Nevada, 1924.

Minard, Claude Russell, Assistant, Loan Desk (123) Stanford Union (PA 2900)

A.B., Stanford, 1923, J.D., 1926.

Owens, William, Loan Desk (1234) 630 Lincoln-p

Polanska, Zenaida, Cataloguer, Hoover War Library (1234) 1 Salvatierra (PA 1025)

Potter, Margaret, Cataloguer, Lane Medical (1234) 415 Bellevue, Oakland-o (Oakland 5157)

B.S., California, 1914.

Rensch, Ethel G. (Mrs.), Loan Desk (1234) 554 Hawthorne-p (PA 408R)

Rensch, Hero Eugene, Loan Desk (4) 554 Hawthorne-p (PA 408R)

A.B., Pomona, 1915.

Robertson, Muriel, Typist, Catalogue Division (234) 1750 Emerson-p

Scibird, Ruth, Reference Division (1234) 1 Salvatierra (PA 1025)

Sheldon, Frances E., Law Librarian (1234) 851 University (PA 475)

A.B., Stanford, 1922, J.D., 1924.

Siegfried, Victoria, Typist, Catalogue Division (4) 310 Waverley-p

Sloan, Alice, Order Division (1234) Mountain View-mv (Sunnyvale 72W)

Spaulding, Ruth I., Reference Division (1234) 528 Channing-p (PA 541)

A.B., Stanford, 1922.

Steinmetz, Ruth L., Cataloguer (1234) 1021 Ramona-p (PA 463)
A.B., Stanford, 1922.

Stillson, Grace Elizabeth, Cataloguer (1234) 451 Ruthven-p (PA 543M)
A.B., Stanford, 1915.

Stockle, Louise, Assistant, Reference Division (1234)
234 Grant Road, Mountain View-mv (MV 6F13)
A.B., California, 1923.

Supple, Margaret Duff (Mrs.), Cataloguer (12) 255 Everett-p (PA 747R)
A.B., Stanford, 1922.

Tum Suden, Linda, Cataloguer, Lane Medical Library (1234)
3008 Clay, SF-sf (Fillmore 1781)

Wedel, Marie D. (Mrs.), Reference Division (1234)
480 Washington (PA 2811J)
A.B., Southern California, 1922.

Wedel, Olivia A., Cataloguer (1234) 340 Embarcadero-p (PA 436J)

Wickes, Florence L., Reference Librarian, Lane Medical (1234)
519 Webster, SF-sf (Park 6152)

Zschokke, Ann, Typist, Catalogue Division (1) 526 Forest-p (PA 1394J)

OFFICE OF THE COMPTROLLER

Accounting Department

Clarkin, John, Clerk (1234) 145 Monroe, Redwood City-rc

†Ellis, Arthur S., Special Accountant (4) 159 Emerson-p (PA 524M)

Douglas, Louise, Endowment Clerk (4) 252 Ramona-p (PA 1615R)

Evans, Fred, Cost Accountant (34) 519 Webster-p (PA 2430W)

Fournie, Lillian, Endowment Clerk (34) 252 Ramona-p

†Hachten, John C., Clerk, Yard Office (34) 857 Grange Rd., Burlingame-b (B 4688M)

Hall, Elsie (Mrs.), Private Exchange Operator (1234) 649 Fulton-p (PA 281J)

†Irvin, D. W., Head Bookkeeper (1234) 21 Alvarado (PA 515M)

Jensen, Marien, Stenographer (1234) 158 Emerson-p

Levin, Zelma, Bookkeeper (1) 1554 Sacramento, SF-sf (Graystone 3601)

†Macko, D. O., Cost Bookkeeper (1) 334 Waverley-p

Michelsen, Ella, Secretary to Auditor (1234) 477 Everett-p (PA 2701J)

Moscovitz, Pearl, Payroll Clerk (1234) 415 Florence-p (PA 342W)

Rasmussen, Peslita M. (Mrs.), Bookkeeper (1234) 1160 Greenwood-p

†Rathman, G. A., Bookkeeper (1234) 211 Stanford, College Terrace

Ross, Chester, Assistant to Head Bookkeeper (123) Stanford University (PA 1666)

Smith, Gladys B. (Mrs.), Cashier (1234) Stanford University (PA 245J)

†Stone, Charles F., Clerk, Yard Office (12) 367 Everett-p

Thompson, Rosalind (Mrs.), Bookkeeper (1234) 1041 S. First, San José-sj (SJ 294)

Wellington, Barbara, Endowment Clerk (2) 12 Lasuen (PA 1033)

Mimeograph Bureau

Ramsey, Agnes Craig (Mrs.), Mimeographer (1234) 20 Lasuen (PA 1021J)

Tronslin, Maude S. (Mrs.), Secretary to Dr. Jordan (1234) 832 Kipling-p (PA 668M)

Stanford University Hospital, San Francisco

Allan, Elsie D., Hostess (1234) 2418 Washington, SF-sf (Fillmore 2030)

Caro, Ruth, Cashier (1234) 2557 Clay, SF-sf (Fillmore 4964)

Cooley, C. L. (Mrs.), Telephone Operator (4) 2402 California, SF-sf (Fillmore 8215)

Eriksen, E., Bookkeeper (1234) 614 Tenth Ave., SF-sf (Pacific 6815)

Foran, Katherine, Telephone Operator (1234) 2019 Webster, SF-sf (Fillmore 7974)

Griffin, H. E., Night Cashier (1234) 2860 Sacramento, SF-sf (West 7616)

Hammond, Myrtle, Information Clerk (1234) 391 First Ave., SF-sf (Pacific 845)

Heard, Ida, Telephone Operator (1234) 1925 Oak, SF-sf (Park 3906)

Hindman, Mae, Admission Clerk (1234) 935 Pine, SF-sf (Prospect 8722)

Horn, Eleanor, Secretary to Physician Superintendent (1234) 319 Seventeenth Ave., SF-sf (Evergreen 3204)

Hughes, M., Telephone Operator (1234) 2440 California, SF-sf (Fillmore 3422)

Leslie, Lola, Telephone Operator (123) 2402 California, SF-sf (Fillmore 5590)

Lovell, Bertha C., Business Office Representative in Clinics (1) 3827 Clay, SF-sf (Bayview 7818)

Medd, F. (Mrs.), Telephone Operator (4) 2321 Sacramento, SF-sf (West 2836)

Meyers, Virginia, Bookkeeper (123) 2456 Sacramento, SF-sf (Walnut 3856)

Miller, Annie, Information Clerk (1234) 1808 Octavia, SF-sf (West 1965)

Murphy, J. J., Bookkeeper (1234) 114 St. Roses Ave., SF-sf (Pacific 2264)

Norvell, D. A., Bookkeeper (4) 144 O'Farrell, SF-sf (Kearny 1644)

Rodin, Sophia, Business Office Representative in Clinics (23) 2015 Laguna, SF-sf (Walnut 797)

Ross, C. J., Accountant (4) 487 Thirty-fifth Ave., SF-sf (Evergreen 3532)

Sedgley, J. P., Accountant (123) 2734 Haste, Berkeley-b (Berkeley 3769J)

Smith, Grace, Telephone Operator (1234) 242 Eighth Ave., SF-sf (Bayview 2542)

Smith, Mabel, Information Clerk (1234) 610 Hyde, SF-sf (Prospect 2739)

Splain, Marie, Mail Clerk (1234) 1641 Washington, SF-sf (Graystone 2046)

Stockton, A. B., Night Information Clerk (1234) 2401 Sacramento, SF-sf (Walnut 3795)

Vance, Madeline T., Stenographer (1234) 445 Hugo, SF-sf (Sunset 4852)

Corporation Yard

†Allen, Everett A., Foreman Plumber (1234) Stanford Park (MP 954)

†Banham, Frank D., Mechanician (1234) 744 Forest-p (PA 2021R)

†Button, Roy H., Superintendent of Buildings and Grounds (1234) 812 Forest-p (PA 1870R)

†Collins, Ralph, Foreman, Garage (1234) Menlo Park

†Corwin, George W., Assistant Mechanician (1234) 827 Webster-p (PA 783M)

†Dugan, R. E., Fire Marshal (1234) 1241 Roosevelt Ave., Redwood City-rc (PA 1666, R 462W)

†McDonnell, J. W., Assistant Superintendent of Buildings and Grounds (1234) 618 Fulton

Maier, Henry, Landscape Gardener (1234) 325 Occidental, Burlingame-b (B 490)

†Schilling, John C., Foreman Carpenter (1234) 1042 Cowper

†Smith, George B., Foreman Painter (1234) 253 Homer-p

Thornton, Joseph, Labor Foreman (1234) Stanford University

†Waterman, Edward H., Chief Engineer, Power House (1234) 567 Lytton-p

Dormitories

†Ayres, Elliott H., Manager, Men's Dormitories (1234) 826 Homer-p (PA 2900, PA 1855M)

Call, Harry P., Custodian, Sequoia Hall (3) 104 Sequoia

David, Leon T., Custodian, Stanford Union (1234) 201 Stanford Union (PA 2900)

A.B., Stanford, 1924, J.D., 1926.

Ferrante, Peter J., Custodian, Toyon Hall (123) 209 Toyon (PA 2900)

Gaw, Harold P., Custodian, Sequoia Hall (123) 213 Branner (PA 2900)

Lees, Katherine E., House Director, Roble Hall (4) Roble (PA 2214)

A.B., Wisconsin, 1921.

Otto, Lillian, House Director, Roble Hall (123) Roble (PA 2214)

Spencer, Percival V., Custodian, Branner Hall (12) 213 Branner (PA 2900)
A.B., Stanford, 1925, J.D., 1926.

Stearns, Mary H. (Mrs.), Social Director, Roble Hall (1234) 153 Roble

Foreman Outside Properties

†Frehe, Fred W. (1234) Stanford University

Purchasing Department

†Widman, Fred, Purchasing Agent (1234) San Francisco-sf (West 6193)

†Hackenberger, William, Assistant Purchasing Agent and Storekeeper (1234) Stanford University (PA 519J)

Miller, Ensel B. (Mrs.), Secretary to Purchasing Agent (1234) 818 Cowper-p (PA 878R)

Purchasing Department, Stanford University Hospitals

†Widman, Fred, Purchasing Agent and Storekeeper (1234) San Francisco-sf (West 6193)

Hanley, Rose L., Stenographer (1234) 2502 McAllister, SF-sf (Pacific 7570)

Suter, Henrietta, Assistant Storekeeper (1234) 621 Eleventh Ave., SF-sf (Pacific 7134)

University Press

†Barnes, A. C., Foreman, Composing Room (1234) 1029 Parkinson-p (PA 2650W)

†Borsdamm, John, Foreman, Bindery (1234) 817 Lincoln-p (PA 754W)

†Goodspeed, Dewey (1234) 144 Tasso-p (PA 1294W)

Lamson, David, Assistant, Publications and Sales (1234) 319 Poe (PA 2133)
A.B., Stanford, 1925.

†Smith, C. B., Foreman, Pressroom (1234) 1211 Fulton-p (PA 1910M)

Whittern, Jessie Dunten (Mrs.), Assistant Editor (1234) 219 Hawthorne-p (PA 677J)

OFFICE OF THE TREASURER

†Blodgett, David P., Office Manager (1234) 130 Cowper-p

BOARD OF ATHLETIC CONTROL

Brandon, Caroline, Stenographer (234) 616 Cowper (PA 3391J)

Branson, Helen, Assistant Bookkeeper (23) 765 Channing-p (PA 2357W)

†Clark, Donald F., Office Manager (1234) 1447 Byron-p (PA 2392)
A.B., Stanford, 1920.

†Denny, Wallace, Trainer, Encina Gymnasium (1234) 110 Waverley-p (PA 2440J)

Drew, Harvey L., Graduate Sport Manager (23) 2 Dolores
A.B., Stanford, 1925.

DuPrau, Eunice, Secretary to General Manager (1234) 1004 Emerson-p

Gemur, Clara E., Stenographer (1234) Mayfield-m (PA 1588)

Hyde, Carol E., Stenographer (1) 1070 Forest Court-p (PA 584J)
A.B., Stanford, 1924.

Kaseberg, Helen, Secretary to Director (1234) Kingscote (PA 2567W)
A.B., Stanford, 1923.

†Liebendorfer, Don E., News Service (1234) 329 S. Fifth, San Jose
A.B., Stanford, 1925.

Loder, Edward S., Engineer (1234) 426 Florence-p (PA 344J)
A.B., Stanford, 1924.

McDonald, E. B., Superintendent of Athletic Fields (1234) Track House

†Millar, A. E., Clerk, General Manager's Office, Gymnasium (123)
175 Park Blvd., Mayfield

†Moffitt, George W., Manager, Encina Gym. Store (1234)
411 College, Mayfield-m (PA 1972J)

†Oliver, Howard R., Accountant (1234) 935 Scott-p (PA 1293J)

Quinn, Tom B., Graduate Sport Manager (4) 6 San Juan

Stevens, Inez, Accountant's Stenographer (1234) 926 Cowper-p (PA 2596)

Thomas, Charles, Office Boy (4) 6 Alvarado

DINING HALLS

Case, Charlotte B. (Mrs.), Bookkeeper (4) 525 Guinda-p (PA 1002J)

Chase, Evelyn A., Assistant Director (Encina) (1234) 215 Santa Ynez
(PA 1815, PA 2335)

Denmark, Katherine (Mrs.), Bookkeeper (123) 318 Middlefield-p
(PA 2101, PA 506)

Handy, Etta H., Director (1234) 215 Santa Ynez (PA 2101, PA 2335)
A.B., Washington State College, 1921.

Longyear, Hilda, Assistant Director (Encina) (4) 30 Alvarado
(PA 1815, PA 515R)
B.S., Cornell, 1926.

Moeller, Walter C., Accountant (4) 714 First Ave., San Bruno-sb

Muagnon, Marguerite, Stenographer (3) Mayfield-m (PA 2559W)

Otto, Lillian, House Director (Roble) (123) Roble (PA 2214)

Ricker, Christine, Assistant Director (Stanford Union) (1234) 33 Lasuen
(PA 2100, PA 302)
B.S., Simmons, 1917.

†Thomas, Donald R., Accountant (123) 656 Bryant-p
(PA 2101, PA 461W)

White, Virginia, Stenographer (4) Waverley-p (PA 1502M)

ORGANIZATION

FOUNDATION

STANFORD UNIVERSITY was established under an Act of the California Legislature, approved March 9, 1885. The Founding Grant, executed November 11, 1885, was made public at a meeting of the Board of Trustees, held in San Francisco, November 14, 1885. The cornerstone of the Inner Quadrangle was laid May 14, 1887, and the institution opened to students October 1, 1891.

NATURE, OBJECT, AND PURPOSE OF THE UNIVERSITY

"We, Leland Stanford and Jane Lathrop Stanford, husband and wife, grantors, desiring to promote the public welfare by founding, endowing, and having maintained upon our estate known as the Palo Alto Farm, and situated in the Counties of San Mateo and Santa Clara, State of California, United States of America, a university for both sexes, with the colleges, schools, seminaries of learning, mechanical institutes, museums, galleries of art, and all other things necessary and appropriate to a university of high degree, to that end, and for that purpose, do hereby grant," etc.

"And that the trust hereby created may be executed according to the wishes of the grantors and each of them, they do hereby designate the Nature, Object, and Purposes of the Institution hereby founded, to be: Its nature, that of a University, with such seminaries of learning as shall make it of the highest grade, including mechanical institutes, museums, galleries of art, laboratories, and conservatories, together with all things necessary for the study of agriculture in all its branches, and for mechanical training, and the studies and exercises directed to the cultivation and enlargement of the mind; Its object, to qualify students for personal success and direct usefulness in life; Its purpose, to promote the public welfare by exercising an influence in behalf of humanity and civilization, teaching the blessings of liberty regulated by law, and inculcating love and reverence for the great principles of government as derived from the inalienable rights of man to life, liberty, and the pursuit of happiness."

NAME OF THE UNIVERSITY

"Since the idea of establishing an institution of this kind for the benefit of mankind came directly and largely from our son and only child, Leland, and in the belief that had he been spared to advise as to the disposition of our estate, he would have desired the devotion of a large portion thereof to this purpose, we will that for all time to come the institution hereby founded shall bear his name, and shall be known as The Leland Stanford Junior University."

MANAGEMENT AND CONTROL OF THE UNIVERSITY

The general management and control of the institution is vested in a Board of Trustees, originally numbering twenty-four, and chosen for life. By the Amending Act of May 31, 1899, the number of trustees was reduced to fifteen, with future elections for a term of ten years. The Board of Trustees fills all vacancies.

POWERS AND DUTIES OF THE TRUSTEES

"The Trustees shall have power and it shall be their duty:

"To appoint a President of the University, who shall not be one of their number, and to remove him at will.

"To fix the salaries of the President, professors, and teachers, and to fix them at such rates as will secure to the University the services of men of the very highest attainments.

"To establish and maintain at such University an educational system which will, if followed, fit the graduate for some useful pursuit, and to this end to cause the pupils, as early as may be, to declare the particular calling which in life they may desire to pursue. . . . .

"To prohibit sectarian instruction, but to have taught in the University the immortality of the soul, the existence of an all-wise and benevolent Creator, and that obedience to His laws is the highest duty of man.

"To have taught in the University the right and advantages of association and co-operation.

"To afford equal facilities and give equal advantages in the University to both sexes.

"The Board of Trustees shall annually report all their proceedings to the person who for the time being shall fill the office of Governor of the State of California, and shall accompany such report with a full account of their financial operation for the preceding year, and with a statement of the financial affairs of the institution."

POWERS AND DUTIES OF THE PRESIDENT

"It shall be the duty of the Trustees to give to the President of the University the following powers:

"To prescribe the duties of the professors and teachers; to remove professors and teachers at will; to prescribe and enforce the course of study and the mode and manner of teaching; such other powers as will enable him to control the educational part of the University to such an extent that he may justly be held responsible for the course of study therein and for the good conduct and capacity of the professors and teachers."

AMENDMENTS TO THE FOUNDING GRANT

A clause in the Founding Grant reserved to the grantors the right to alter, amend, or modify the terms and conditions of the grant in important particulars. Under this provision amendments were made by Mrs. Stanford under date of June 1, 1897, May 31, 1899, March 28, 1902, October 3, 1902, and June 1, 1903. These amendments were concerned mainly with matters of detail, but provided also "that the number of women attending the University as students shall at no time ever exceed five hundred."

An amendment to the Constitution of the State of California, adopted November 6, 1900, "permitted, approved, and confirmed all the trusts, estates, terms, and conditions" of the Founding Grant and of all the deeds, conveyances, and other instruments made and delivered before that date, and authorized the Legislature, under certain conditions, to exempt the property of the University from taxation. Article 13 of the State Constitution, as amended November 3, 1914, exempts from taxation the buildings, grounds (not exceeding one hundred acres), equipment, securities, and income, used exclusively for educational purposes, of any educational institution of collegiate grade not conducted for profit.

THE UNIVERSITY FACULTY

"The Trustees shall constitute the President and professors the faculty of the University, and shall prescribe their powers and duties as such."

Under the Articles of Organization, adopted by the Board of Trustees March 31, 1904, the power and authority of the University Faculty is vested in the Academic Council, consisting of the President of the University, the professors and associate professors, the librarian, the registrar, the academic secretary, such assistant professors as have been upon the roll of the faculty for three years, whether as assistant professors or instructors, and such other officers of the University or members of the teaching staff as the Academic Council may, with the assent of the Board of Trustees, determine.

All general University regulations, statutes, and rules as to matters within the province of the faculty, must be initiated in and passed by the Academic Council. The Academic Council has general power and responsibility for the internal administration of the University, subject to express provisions contained in the Articles of Organization respecting the methods of exercising such powers through the President of the University, the Advisory Board, the Standing Committees, and the Department Faculties.

The Advisory Board consists of nine members of the rank of professor, one from each of the five department groups, and four chosen without reference to groups. All executive acts of general importance, such as recommendations for appointments, promotions, and dismissals, for the creation of new departments or chairs, etc., must be submitted by the President to the Advisory Board. The Advisory Board is also privileged to make such recommendations to the President, regarding policy, as it may decide by vote to be expedient, but no recommendations for appointments, promotions, or dismissals may originate with the Advisory Board.

The Executive Committee of the Academic Council consists of the president, vice-president, registrar, academic secretary, and two members from each department group elected by the Academic Council. The Executive Committee appoints the Standing Academic Committees of the Council, with the exception of the Graduate Study Committee which is elected by the Council.

The Standing Administrative Committees of the Council are appointed by the President.

The Department Faculties consist of the professors, associate professors, assistant professors, and instructors in the several departments, but only members of the Academic Council have the right to vote. A Department Faculty has direction of the work of instruction in the department and of the internal administration of the department, subject only to such control as is vested in the Board of Trustees, the President of the University, and the Academic Council. The executive head of the Department Faculty is designated annually by the President with the approval of the Advisory Board and of the Board of Trustees.

SCHOOLS AND DEPARTMENTS

The scope of the University is indicated by the following Schools and Departments which have been organized:

Schools: School of Biology (including Anatomy, Bacteriology and Experimental Pathology, Biochemistry, Botany, Food Research, Hopkins

Marine Station, Paleontology, Physiology, Psychology, and Zoölogy); School of Education; Graduate School of Business; School of Engineering (including Civil, Electrical, Mechanical, and Mining Engineering and Metallurgy); Law School; School of Medicine; School of Social Sciences (including Economics, History, Philosophy, and Political Science). In addition there is in connection with the University Hospitals a School of Nursing.

Departments: The departments are divided into groups for the purpose of elections to the Advisory Board and Executive Committee, as follows: (I) Classical Literature, English, Germanic Languages, Romanic Languages; (II) Anatomy, Bacteriology and Experimental Pathology, Biology, Botany, Medicine, Physical Education, Physiology, Zoölogy; (III) Chemistry, Geology, Mathematics, Physics, Psychology; (IV) Economics, Education, Graduate School of Business, History, Law, Philosophy, Political Science, School of Social Sciences; (V) Civil Engineering, Electrical Engineering, Mechanical Engineering, Military Science and Tactics, Mining and Metallurgy, School of Engineering.

The Hopkins Marine Station, located at Pacific Grove, on the Bay of Monterey, is a branch of the biological work of the University.

The Food Research Institute was organized in 1921 under grant from the Carnegie Corporation for the purpose of studying the production, distribution, and consumption of food. The Board of Directors consists of Dr. Carl Lucas Alsberg, Dr. Joseph Stancliffe Davis, and Dr. Alonzo Englebert Taylor. The Advisory Committee comprises Mr. Herbert Hoover, Dr. John C. Merriam, Mr. Julius Barnes, Mr. A. R. Howard, Dr. William M. Jardine, Mr. George C. Roeding, Dean Sarah L. Arnold, the President of the Carnegie Corporation, and the President of Stanford University.

THE UNIVERSITY YEAR

The University year begins the first of October and is continuous throughout four quarters of approximately eleven weeks each. Any three quarters constitute an academic year. The summer quarter differs from other quarters only as the courses of study in the various departments may be contracted, or expanded, or specialized to meet the needs of a particular constituency; or, as in Physiology and Zoölogy, where the summer program is transferred to the Hopkins Marine Station at Pacific Grove. The emphasis of the summer quarter is placed on advanced and graduate work.

LOCATION

The seat of the University, except for the advanced and clinical work in Medicine, is at Stanford University, in the Santa Clara Valley, thirty miles southeast of San Francisco, on the Coast Division of the Southern Pacific Railway. The University Trust consists of over seven thousand acres, partly level and partly rising into the foothills of the Santa Cruz Range; about fifteen hundred acres have been set aside as the campus proper. The Bay of San Francisco is about three miles east of the University grounds. Across the bay the Mount Diablo Range rises to a height of over four thousand feet, the Lick Observatory crowning Mount Hamilton, the highest of the range. The Santa Clara Valley is one of the most attractive portions of the state in fertility, in natural beauty, and in the excellence of its climate. In winter the mercury rarely falls below 30

degrees, with an average midday temperature of about 55 degrees. In summer the midday temperature ranges between 60 degrees and 80 degrees, occasionally higher and lower, the average being about 70 degrees; the nights are cool, the usual range being from 50 degrees to 58 degrees. The rainfall, normally about eighteen inches, is chiefly confined to the months from December to April, inclusive.

BUILDINGS

The architectural design of Stanford University, with the detailed plan of the inner quadrangle group, Encina Hall, and the first three engineering buildings, was the work of Mr. Charles Allerton Coolidge, of the firm of Shepley, Rutan, & Coolidge, Boston, Massachusetts. The new library, men's gymnasium, basketball pavilion, Encina Dining Hall, Toyon and Branner halls are the work of Bakewell and Brown of San Francisco. In these newer buildings the original plan has been modified somewhat to give greater variety and interest, but the distinctive features have been preserved.

The central group of buildings, constituting two quadrangles, the one surrounding the other, is an adaptation of the mission architecture, and reproduces on an imposing scale the open arches, long colonnades, and red-tile roofing of the old Spanish Missions of California. The Inner Quadrangle consists of twelve one-story buildings and the Memorial Church, connected by a continuous open arcade, and surrounding a court 586 feet long by 246 feet wide, or three and a quarter acres. The buildings are buff sandstone, somewhat varied in color, the stonework of broken ashlar, with rough rock-face, and the roofs covered with red tile.

The fourteen buildings of the Outer Quadrangle are constructed of the same material and in the same general style as the Inner Quadrangle, with open arcades on the outside. The extreme length of the Outer Quadrangle is 894 feet.

The Leland Stanford Junior Museum is situated a quarter of a mile from the Quadrangles, on the west side of the avenue to Palo Alto.

The Chemistry Building, located between the Quadrangles and the Museum, consists of two separate structures—the main building and the Physical Chemistry Laboratory.

South of the central Quadrangles are located the workshops of the Engineering departments, experimental laboratories, etc.

Encina, Toyon, and Branner Halls, situated east of the Quadrangles, and *Sequoia Hall,* west of the Quadrangles, are dormitories for men. Encina will normally accommodate four hundred and fifty students; Toyon and Branner each one hundred and fifty, and Sequoia one hundred. The extension of the *Stanford Union,* completed in 1922, furnishes dormitory accommodations for one hundred men. *Roble Hall,* situated southwest of the Quadrangles, near Lagunita, is the dormitory for women, and will accommodate two hundred and twenty-six students.

Encina Dining Hall, consisting of one central kitchen and eight separate dining rooms, furnishes accommodations for five hundred and fifty men.

Encina Gymnasium, for men, is a brick building with a frontage of 330 feet, situated north of Encina Hall and near the athletic grounds. There are two main divisions separated by a small court. The drill hall is 120 by 65 feet, with hard maple floor. There are rooms for special exercises,

shower and locker rooms in each wing, ample offices, and space for storage and laundry. An outdoor swimming pool 100 by 40 feet is available to all undergraduate men, and to graduate men upon payment of the prescribed gymnasium fees.

The Basketball Pavilion affords ample quarters for indoor games, with a gallery seating capacity of 2,700.

The Stadium is a bowl-shaped structure built on an earth embankment, and has a seating capacity of 71,500. The field includes a quarter-mile track and 220-yard straightaway.

Roble Gymnasium, for women, is a frame building equipped with apparatus for physical education. An outdoor swimming pool, 75 by 40 feet, is located near the gymnasium. In connection with the pool there are eighteen shower rooms, seventy-two dressing rooms, a laundry and sterilizing plant to care for the swimming suits, and a room for their drying.

The Thomas Welton Stanford Art Gallery, the first building of the second Quadrangle group, containing four galleries designed for the exhibition of paintings and other works of art, was a gift of Thomas Welton Stanford, brother of Senator Stanford, one of the founders of the University.

The Library Building is the central unit in the second Quadrangle group. The ground floor provides a reading room for books set apart for collateral reading, a department of public documents, and administrative workrooms. On the main floor are the delivery hall, the reference and reading rooms, a browsing room, a periodical room, the card catalogue, and the administrative rooms; on the mezzanine and top floors, a large study room, and smaller rooms of varying sizes for seminary and special research work.

The grounds immediately about the University, constituting the campus proper, have been reserved in part for experimental and ornamental purposes, in part as residence sites for members of the faculty.

The main buildings of the *School of Medicine* in San Francisco occupy four fifty-vara lots bounded by Clay, Sacramento, and Webster streets. They consist of the Clinical and Laboratory Building, including Lane Hall, and Lane Hospital—a modern building in brick and stone, with a capacity of one hundred and eighty beds—and the Stanford University Hospital, a concrete structure with a capacity of one hundred and thirty beds. The Lane Medical Library is situated on the corner of Sacramento and Webster streets, opposite the Clinical and Laboratory Building, and the Stanford School of Nursing on Clay Street, opposite the hospitals. The Library is a fireproof structure of Colusa sandstone, three and a half stories high, with steel stacks accommodating 60,000 volumes.

The Hopkins Marine Station is located on Cabrillo Point, Pacific Grove. A concrete building 40 by 80 feet, three stories in height, provides the necessary laboratories, aquarium, storerooms, library, photographic dark rooms, etc.

CLUBHOUSES

The Stanford Union, a clubhouse for men, projected by Herbert C. Hoover of the class of 1895, and built by contributions from students, alumni, faculty, trustees, and friends of the University, is in charge of a Board of Trustees made up of three faculty members, three alumni, and three undergraduates, together with the Comptroller, the Dean of Men, and the

President of the Associated Students. An additional building, consisting of dining halls, and dormitory accommodations for one hundred men, was completed in 1922.

The Women's Clubhouse provides a social center for the women of the University, with meeting rooms for various University organizations.

The two Union buildings and the Women's Clubhouse are connected by means of cloistered arcades surrounding a court half an acre in extent, with a fountain as the central feature, and diversified by trees, grass, and a variety of flowering shrubs and plants. The fountain was the gift of the Class of 1922.

ADMISSION TO THE UNIVERSITY

CANDIDATES must present satisfactory recommendations as to personal character and must offer approved credentials as indicated below. Application and other necessary blanks will be furnished by the Registrar on request. For matriculation for a particular quarter it is important that application and complete credentials be presented on or before the dates named below.

GENERAL REQUIREMENTS

For Graduate Standing

The requirements for graduate standing are fulfilled by graduates of colleges and universities of recognized standing whose credentials evidence ability and promise, and who expect to become candidates for advanced degrees, or for the high-school teacher's certificate, or who purpose to pursue regular advanced, professional, or research courses.

The candidate should fill out the application blank furnished by the University and file certificate of degrees taken with certified transcript of college work completed. Personal letters from teachers and others are desired.

For Undergraduate Standing

1. Scholarship Qualifications.—Fulfillment of minimum requirements implies the completion of a regular four years' high-school course or its equivalent. The only prescribed subject is English (minimum, 2 units); but applicants will find it to their advantage to anticipate, in the high school, certain lower-division requirements of the University and to offer the following as part of the fifteen units required:

Four units in English;

Three units in a foreign language (or *two units* in each of two foreign languages);

One unit in either Botany, Physiology, Zoölogy, or General Science;

One unit in either Physics or Chemistry;

One unit in American History (or in American History and Civics).

If looking toward engineering, *one unit* in plane geometry, *two units* in algebra, *one-half unit* in trigonometry, and *one unit* in mechanical drawing.

The maximum entrance credit which will be accepted in typewriting is *one unit;* in physical education or military training (or both combined), *one unit;* in music, *three units* (only one of which may be in vocal or instrumental technique or both). No unit values are attached to penmanship and spelling.

The scholarship requirements for first-year undergraduate standing are fulfilled *without examination* by duly recommended graduates of approved preparatory schools who present fifteen units of recommending (certificate) grade (including at least two units in English). Such credentials may also be considered acceptable with twelve units of recommending grade (1) provided all of the units of the last two years are of recommending grade and

average at least 5 per cent above recommending grade, or (2) provided the score obtained in the supplementary intelligence examination does not fall below the Stanford median. Where the school does not distinguish between a passing and a recommending (certificate) standard, to be accepted as of recommending grade a subject must be at least 5 per cent higher than the lowest passing grade. The first part of a continued subject, even if below the recommending standard, may be credited provided the last part is of recommending grade and the average of the two parts is of recommending grade. Subjects below the recommending grade at the time of graduation may be brought to the recommending standard and accepted as such, provided the subject is repeated or reviewed in a regular school session or tested by examination through the College Entrance Examination Board.

Persons of considerable maturity, twenty-one years of age or older, who do not fulfill the scholarship requirements for first-year undergraduate standing, but whose incomplete preparation has been supplemented by practical training and experience of distinct educative value, may also be considered for admission as special students not candidates for a degree (except as provided on page 128).

Candidates from foreign countries who present credentials equivalent to those named, and whose command of written and spoken English shall be deemed adequate for purposes of college study, may also be placed in this category.

The scholarship requirements for first-year undergraduate standing are fulfilled *on examination* by duly recommended candidates, whether or not graduates of approved preparatory schools, who have passed (1) the ordinary examinations of the College Entrance Examination Board in subjects (including English) aggregating fifteen units, or (2) the comprehensive examinations in four subjects, under the so-called new plan. Partial fulfillment of requirements without examination (that is, through graduation from approved schools and recommendation on grounds of fitness, but with less than fifteen units of recommending grade), may be supplemented by examination, through the College Entrance Examination Board, in the subjects necessary to make up the required fifteen units. Question papers are prepared by the College Entrance Examination Board in a limited number of subjects only. Subjects not on the Board's list may be offered for entrance only upon graduation and recommendation from approved schools as provided above. Examinations of the New York Examination Board (Regents' examinations) and of the Minnesota State Board may be accepted in approved subjects passed with a grade at least 10 per cent above the lowest passing grade.

Candidates from other colleges and universities, in addition to fulfilling requirements for first-year standing, must present transfer papers showing satisfactory records at the institutions attended.

2. Personal Qualifications.—In addition to scholarship and seriousness of purpose, account is taken of exceptional qualifications of any kind, including force of character, qualities of leadership, influence exerted among schoolmates and associates, and the like.

3. Supplementary Examination ("intelligence test").—A supplementary intelligence examination is taken by all candidates for undergraduate standing. In February and March, the examination will be given in numerous centers in California, and outside the state wherever satisfactory

arrangements for conducting the examination can be made. (See pp. 97–98.) The examination will also be given at the University during the week preceding the October, January, April, and June matriculation dates. (A satisfactory score in the scholastic aptitude test given by the College Entrance Examination Board will be accepted in place of this supplementary examination.)

ADMISSION OF MEN

There is no restriction upon the number of matriculants in graduate standing, nor in advanced standing where credentials cover full entrance requirements and 80 or more units of college work. Approved candidates in this group are assured of admission at the beginning of any quarter. It should be noted, however, that the number of students who may enroll in Medicine is limited and that fulfillment of pre-medical requirements does not guarantee admission to the School of Medicine.

The number of matriculants in first-year undergraduate standing, together with transfers presenting less than 80 units of college work, is limited to 450 for the autumn quarter and 50 each for the two succeeding quarters. At present no limit (below 450) is placed upon this group of matriculants who enroll for the summer quarter; but not more than 50 of such matriculants will be promised enrollment for succeeding quarters. The selection of these fifty students may be deferred until the end of the summer quarter, in order that the scholarship records made during the summer may be considered. Summer matriculants not thus selected may apply for consideration for succeeding quarters, and will be considered on the same basis as other candidates and will receive only the advantage which inheres in superior credentials.

The selection of candidates within the limited group will be made after May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter. Selection will be made after these dates, but actual matriculation in the University will be permitted only when the scholarship qualifications (stated on pp. 91–92) have been fulfilled prior to the first day of the quarter for which the selection has been made. Selection is made on the basis of superior fitness, taking into account scholarship, personal qualifications, and intelligence scores, preference being given to approved candidates who pass the College Entrance Board examinations with an average grade of 75 or above, and, until January 1934, to sons of faculty and alumni of the University. Where credentials are otherwise satisfactory, candidates who have failed to take the supplementary intelligence examination because of remoteness from examination centers or for other reasons satisfactory to the Committee, may be provisionally included in the approved list; but such candidates may be denied admission, at the discretion of the Committee, provided the score obtained in the supplementary intelligence examination to be taken just before the beginning of the quarter falls below 50.

Application for admission in October (on blanks to be furnished by the Registrar) should be made as early as March, and for the other quarters a month or more before the beginning of the quarter. There is no advantage in applying earlier than is necessary to fulfill preliminaries and furnish credentials before the dates fixed for selection of candidates.

In considering the credentials of upper-division candidates (unlimited group), due weight will be given to the supplementary intelligence examina-

tion, and matriculation may be denied to any candidate whose score is lower than 50.

ADMISSION OF WOMEN

The Founding Grant of the University, as amended by Mrs. Stanford in 1899, directs "that the number of women attending the University as students shall at no time ever exceed five hundred."

The same scholarship and personal qualification standards and requirements apply as in the case of men. High scores in the supplementary intelligence examination will be given due weight, and matriculation may be denied to any candidate whose score in this examination falls below 50.

Under the 500-limit, the number of places open to new women students in October is approximately 140. Of these, 35 are provisionally assigned to approved candidates for graduate standing; 105 to approved candidates for undergraduate standing. Approximately 35 places assigned to new undergraduate women will be filled on the basis of priority of application under the regulations in force prior to February 21, 1921, and until such applications are exhausted. (No applications received later than February 21, 1921, will be considered for this list.) Proportional assignments will be made for the winter and spring quarters.

The selection of undergraduate candidates will be made after May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter. Outside of the priority list selection will be made on the basis of superior fitness, preference being given to approved candidates who pass the examinations of the College Entrance Examination Board (old plan or new plan) with an average grade of 75 or above, and, until January 1927, to daughters of the alumni and of the academic staff; after January 1927 and until January 1934, preference will be given to daughters of the alumni and of the academic staff whose qualifications place them among the first one hundred and fifty candidates, chosen on the basis of superior fitness, in any list where one hundred are to be selected (proportional numbers for larger or smaller lists).

The selection of graduate candidates will be made after May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter.

Women once admitted to the University will be allowed to continue without further application, so long as scholarship and conduct are satisfactory, and provided they present themselves for registration at the beginning of each quarter on the regularly appointed day (but special restrictions apply to registration for the summer quarter, and to summer matriculants desiring to re-register for succeeding quarters). Places will not be held for women students after the regular Registration Day, except by permission of the Committee on Registration granted in advance.

The regular lists for the summer quarter will be made up immediately after June 1, but it is not expected that the number of women in attendance will reach the 500 limit, and all candidates who fulfill requirements are, for the present, assured of admission if present on the regular Registration Day. Matriculation for the summer quarter, however, does not insure registration for any succeeding quarter. Summer matriculants will be considered in the same category as other applicants, and will receive only the advantage which inheres in early application (before February 21, 1921) or superior credentials.

Application for admission in October (on blanks to be furnished by the Registrar) should be made as early as March, and for other quarters at least two months before the beginning of the quarter. There is no advantage in applying earlier than is necessary to fulfill preliminaries and furnish credentials before the date fixed for selection of candidates.

ENTRANCE UNITS

An entrance unit represents a year's study in any subject in a secondary school, constituting approximately one quarter of a full year's work. In assigning credit values two laboratory, drawing, or practice periods, not requiring additional study or preparation, are regarded as the equivalent of one recitation period. The length of the school year is assumed to be from thirty-six to forty weeks.

APPROVED PREPARATORY SCHOOLS

Approved Preparatory Schools are schools maintaining full four-years' courses of high-school work and accredited (1) by the New England College Entrance Certificate Board, by The North Central Association of Colleges and Secondary Schools, by the Association of Colleges and Secondary Schools of the Southern States, by colleges and universities of recognized standing, or (2) upon inspection undertaken or authorized by the University.

The University records of first-year students will be considered as additional evidence of the standing of preparatory schools and of their good faith and success in meeting the requirements of the University, and such evidence will be made use of in determining as to the continuance of accrediting relations.

ENTRANCE EXAMINATIONS

In June, beginning the third Monday of the month, entrance examinations conducted by the College Entrance Examination Board are held simultaneously in all parts of the United States (in California, at Stanford, Berkeley, Los Angeles, and other places), and in various foreign countries. In September, beginning the third Monday of the month, comprehensive examinations only are held at the University (see page 97). (The September question papers are prepared by the College Entrance Examination Board, but the answer books are read and graded by the University.) These examinations may be taken either under the four-subject plan (new plan), or toward the completion of the fifteen units ordinarily required of those entering on examination (old plan), or to supplement deficient credentials from approved schools.

The examination fee in September is $5, and must be paid in advance. Applications, with satisfactory credentials, must be presented not later than the second Monday of the month.

The application for examination in June should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York, N.Y. It should be made upon a blank form to be obtained from the Secretary of the Board upon request.

If the application is received sufficiently early the examination fee will be $10 for each candidate, whether examined in the United States, Canada, or elsewhere. The fee, which should accompany the application, should be

remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

Applications and fees of candidates who wish to be examined outside of the United States and Canada should reach the Secretary of the Board at least six weeks in advance of the first day of the examinations (that is, for 1926, on or before May 10, 1926).

Applications and fees of candidates who wish to be examined in the United States at points west of the Mississippi River, or in Canada, should be received at least four weeks in advance of the first day of the examinations (that is, for 1926, on or before May 24, 1926).

Applications and fees of candidates who wish to be examined in the United States at points east of, or on, the Mississippi River, should be received at least three weeks in advance of the first day of the examinations (that is, for 1926, on or before Monday, May 31, 1926).

When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the exact examination center selected, and a list of all the subjects in which he expects to take the Board examinations.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidates concerned, but only upon the payment of an additional fee of five dollars.

A list of the places at which examinations are to be held by the Board is published about March 1 of each year. Requests that the examinations be held at particular points should be transmitted to the Secretary of the Board not later than February 1. The designation of the center to which the candidate will go for the examination is regarded as an indispensable part of the candidate's application for examination.

In these examinations the University has designated 60 as the lowest passing grade.

The examination questions set by the Board are published in yearly volumes by Ginn & Co., Boston.

Detailed definitions of the requirements in all examination subjects are given in a circular published annually by the Board. The edition published December 1, 1925, is designated as Document No. 117. Upon request a single copy will be sent to any teacher without charge. In general a charge of twenty cents, which may be remitted in postage, is made. (Address Secretary, College Entrance Examination Board, 431 West 117th Street, New York, N.Y.)

The Comprehensive Examinations

Applicants who present evidence of satisfactory preparatory work covering not less than fifteen entrance units may fulfill scholarship requirements by passing the comprehensive (new plan) examination in four subjects, determined as follows:

1. English (three units);

2. A foreign language, selected by the candidate (two, three, or four units);

3. Either Mathematics, or Chemistry, or Physics, selected by the candidate (one, three, or more units);

4. A fourth subject, selected by the candidate, from the subjects in which examinations are held.

These four examinations must be taken at one time. At least two examinations must cover more than two entrance units each. In each subject selected the examination must cover all the units counted by the candidate toward the required fifteen units of preparatory work.

Comprehensive examinations are offered in the following subjects only: Biology (one unit); Botany (one unit); Chemistry (one unit); English (three units); French (two, three, or four units); German (two, three, or four units); Greek (two or three units); History (Ancient, European, English, American History with or without Civil Government—one or two divisions, one unit in each); Italian (two, three, or four units); Latin (two, three, or four units); Mathematics (three or more units); Physics (one unit); Spanish (two, three, or four units); Zoölogy (one unit). If taken as an "old plan" examination, Mathematics may cover any one or more of the following divisions: elementary algebra, plane geometry, solid geometry, trigonometry, advanced algebra.

The examination scheduled for September 1926 is as follows:

Monday, September 20—English, 9 A.M.; French, 2 P.M.

Tuesday, September 21—Latin, 9 A.M.; History 2 P.M.

Wednesday, September 22—Elementary Mathematics, 9 A.M.; German, Italian, Spanish, 2 P.M.

Thursday, September 23—Chemistry, Physics, Psychological Examination, 9:00 A.M.; Greek, Advanced Mathematics, 2 P.M.

Friday, September 24—Biology, Botany, Zoölogy, 9 A.M.; *Chemistry, *Physics, 2 P.M.

Supplementary Intelligence Examination

Following is the schedule of examinations to be given in February and March, 1926. Unless otherwise indicated the examination will be held in the high-school building. A fee of *five dollars* is charged, due at the time of the examination, to cover cost of examination, scoring, and organization of results for use in the educational guidance of students.

CALIFORNIA

Bakersfield	Thursday	February 18,	8:30 A.M.
Chico	Tuesday	March 2,	8:30 A.M.
Colton	Tuesday	February 23,	8:30 A.M.
El Centro (Central High School)	Monday	February 22,	8:30 A.M.
Eureka	Monday	February 15,	9:00 A.M.
Fresno	Tuesday	February 16,	8:30 A.M.
Hollywood	Friday	February 26,	1:15 P.M.
Long Beach	Tuesday	March 2,	8:30 A.M.
Los Angeles (Polytechnic High School)	Saturday	February 27,	8:30 A.M.
Marysville	Wednesday	March 3,	8:30 A.M.
Modesto	Monday	February 15,	8:30 A.M.
Monterey	Monday	March 8,	8:30 A.M.
Napa	Thursday	February 18,	8:30 A.M.
Oakland	Saturday	March 6,	9:00 A.M.
Ojai (Thacher School)	Thursday	March 4,	8:30 A.M.

* Alternative examinations for candidates offering the psychological examination on Thursday A.M.

CALIFORNIA—(*Continued*)

Pasadena	Friday	February	19,	8:30 A.M.
Pomona	Wednesday	February	24,	8:30 A.M.
Red Bluff	Monday	March	1,	8:30 A.M.
Sacramento	Saturday	February	20,	8:30 A.M.
Salinas	Tuesday	March	9,	8:30 A.M.
San Diego	Saturday	February	20,	8:30 A.M.
San Francisco (Lowell High School)	Saturday	February	13,	8:30 A.M.
San José	Saturday	February	27,	8:30 A.M.
San Luis Obispo	Saturday	March	6,	8:30 A.M.
Santa Ana	Monday	March	1,	8:30 A.M.
Santa Barbara	Friday	March	5,	8:30 A.M.
Santa Cruz	Friday	February	26,	1:15 P.M.
Santa Monica	Thursday	February	25,	8:30 A.M.
Santa Rosa	Wednesday	February	17,	8:30 A.M.
Stanford University (Assembly Hall)	Saturday	March	13,	8:30 A.M.
Stockton	Friday	February	19,	1:15 P.M.
Ukiah (New Grammar School)	Tuesday	February	16,	8:30 A.M.
Ventura	Wednesday	March	3,	8:30 A.M.
Visalia	Wednesday	February	17,	8:30 A.M.

OREGON

Eugene (University High School)	Saturday	February	20,	8:30 A.M.
Portland	Saturday	February	27,	8:30 A.M.

UTAH

Salt Lake City (East High School)	Thursday	February	25,	8:30 A.M.

WASHINGTON

Seattle (Garfield High School)	Saturday	March	13,	8:30 A.M.
Spokane (Lewis and Clark High School)	Saturday	February	27,	8:30 A.M.
Walla Walla (Whitman College)	Saturday	March	6,	8:30 A.M.

ENTRANCE SUBJECTS

The standard of preparation is the four years' high-school course. The proper co-ordination of high-school subjects for the individual pupil is regarded as primarily a problem for the secondary school; the University is prepared to recognize for entrance credit any subject having an established place in the secondary school curriculum, in which adequate instruction is given and which is pursued to satisfactory results.

All lower-division students (except students coming from other institutions with satisfactory credit in a college composition course) will be required to satisfy the University standard in English Composition. This may be done by passing a special matriculation test given during matriculation week. The examination will test the candidate's practical knowledge of spelling, punctuation, and sentence structure, and his ability to think consecutively on a simple subject. The subjects which are set at the time of the examination will be drawn for the most part from the candidate's own experiences.

A student who does not pass will be required to register in English A at the earliest available opportunity, and remain in the course until his work is of passing grade.

DEFINITION OF HIGH-SCHOOL SUBJECTS

The definition of high-school subjects given by the College Entrance Examination Board (Document No. 117, issued by the Board) will serve as a standard. The following suggestions and explanations indicate the attitude of the University in judging entrance credentials, but no attempt is made to enumerate all the subjects which may be properly included in the high-school curriculum:

1. English.—The primary aim of instruction in English Composition in the secondary schools is clearness. Based upon grammatical correctness, which is the peculiar goal of elementary English Composition, this is the quality by which the Stanford matriculation test is rated. To attain these aims there should be a definite co-operation of the entire staff of the school.

The work in English Composition should be given at least two recitations a week throughout the entire high-school course. The greater part of the student's time outside of class should be devoted to practice in writing, but it is recommended that some attention be also paid to instruction in the fundamental principles of formal rhetoric.

The work in English Literature should be given an average of at least three recitations a week throughout the four years of the preparatory course. It should be so conducted as to give the student not only an appreciative understanding of the books selected either for general or for more intensive study, but also a knowledge of their place in the history of English Literature, together with an ability to read aloud intelligently both prose and verse.

In the History of English Literature preparation should consist in a brief outline with a view to making clear the character and the tendencies of the more important literary epochs and associating the chief books and authors in their proper periods.

2. Mathematics.—The work in Mathematics is usually distributed as indicated by the following unit values: algebra (1 to 2), plane geometry (1), solid geometry (½), trigonometry (½). Additional work may be offered in algebra and plane analytical geometry. The solution of numerous original problems and exercises is assumed throughout the course.

3. The Sciences.—In Physics, Chemistry, Physiology, Botany, Zoölogy, Hygiene, and General Science a full year's work in each is expected, comprising, preferably, two recitation periods and three double laboratory periods per week. Accurate notes of the laboratory work should be kept. Any two of the biological sciences (Physiology, Botany, Zoölogy) may be combined into a continuous year's course. Astronomy may be offered as a half-unit course.

Students who receive entrance credit in Chemistry, and who wish to continue the subject in the University, will be admitted at once to laboratory course 4 and will be required to begin lecture course 1.

In Physiology the textbook work should be accompanied by experiment, dissection of animals and organs, and a certain amount of study of the tissues with the microscope.

In Botany the main thing is that the work shall be of a practical nature: the study mainly specimens and not books. A study of the growth and development of the forms selected is of the highest importance, and should be made a prominent feature in the work. If possible, the pupil should be

allowed the use of a compound microscope, but when this is not practicable, microscopic demonstrations by the instructor are indispenable.

In Hygiene the work should include adequate instruction in personal hygiene, the hygiene of occupation, and the relation of the citizen to the state in matters of sanitation and public health. Three periods per week of physical training and three periods in experimental laboratory work in Hygiene, and two recitations per week on Public Health, or an equivalent amount of work distributed over a longer period, will cover the requirements for one unit of credit.

4. History and Allied Subjects.—History should be offered in full unit courses covering respectively the following divisions: (*a*) Ancient, (*b*) European (either Medieval and Modern or Modern European), (*c*) English, (*d*) American. Civics may be offered as a part of American History, or as an additional half-unit course. Biblical History and Literature and Economics may each be offered as a half-unit or a unit course.

In the History subjects, in addition to the textbook preparation, the following exercises are recommended: Supplementary reading, including the use of original material where possible, notes and digests of reading; abstracts or analyses of specified chapters, both of the textbook and supplementary reading; outlines of subjects, gathering material from all available sources; map-drawing from printed data or comparison of existing maps, showing movements of exploration, migration or conquest, territorial changes, or social phenomena. Such work should be regarded as a means rather than the end of historical study and in every instance should be adapted in character and amount to the stage of advancement of the class and of the individual pupil. As the pupil progresses in his study, more advanced work may well be required in the form of historical composition and of note-taking in the class from talks by the teacher or reports of fellow-pupils.

5–6. Spanish and French.—The elementary study of the languages, covering two years of daily recitations, should lay stress on the following points: (1) An accurate knowledge of the forms of the languages; (2) the elements of syntax; (3) the ability to turn easy English prose into French or Spanish; (4) the ability to translate ordinary French or Spanish into idiomatic English; (5) the ability to pronounce French or Spanish correctly.

(Students who have had one year of French in the high school and present one unit of credit for entrance into the University may take Course A2. Those who have had one year of Spanish in the high school and present one unit of credit for entrance may take Course B2. Those who have had two years of French or Spanish in the high school, and present two units of credit for entrance, may take second-year work in the University.)

The intermediate requirements are intended to represent a third year of daily recitations. The specific demands are: (1) A thorough knowledge of modern French or Spanish syntax; (2) the ability to turn ordinary modern French or Spanish at sight into idiomatic English; (3) the ability to translate connected English prose of modern difficulty into French or Spanish; (4) the ability to write French or Spanish from dictation; (5) some facility in speaking the languages.

(Students who have had three years of French in the high school, and present three units of credit for entrance into the University, will ordinarily take Course A22. Courses A24 and A30 are also open to them. Students

who have had three years of Spanish in high school, and present three units of credit for entrance into the University, will ordinarily take Course B22. Course B30 is also open to them.)

The advanced requirements will occupy a fourth year of daily recitations.

At the end of this course the student should be able: (1) To read at sight any standard author not earlier than the seventeenth century; (2) to write in French or Spanish a short essay on some simple subject connected with the works read; (3) to translate correctly a passage of modern English prose; (4) to carry on a simple conversation in French or Spanish; (5) to follow a lecture in French or Spanish.

The reading in the elementary course should cover from four hundred to six hundred duodecimo pages; in the intermediate course a similar amount should be read of prose and verse, a portion to be in the dramatic form; and in the advanced course the same quantity of prose and verse should be selected from standard authors not earlier than the seventeenth century, and these should be read with reference to their literary value.

The practice of writing compositions consisting in reproductions or paraphrases of the matter read should be begun in the intermediate course and followed by short themes along similar lines in the advanced course.

7. German.—Elementary German represents the work of two high-school years with daily recitations. It should give the following preparation: The ability to read understandingly at sight easy German prose and verse; an accurate knowledge of the most important elements of grammar, embracing especially inflections, word-order, and the essentials of syntax, as also the ability to appreciate the force of prefixes and suffixes; the ability to express in correct German simple ideas concerning familiar things and to recognize German words and simple sentences when spoken. Careful attention should be given to pronunciation and accentuation.

The amount of work to be accomplished in the first year is approximately what is contained in a beginner's book such as Zinnecker's *Deutsch für Anfänger,* with some additional reading. The reading of the second year should be for the most part graded modern German from 200 to 300 pages. German should be the language of the classroom, instruction in conversation, composition, and grammar being based largely on the reading text.

Intermediate German represents a third year of daily recitations, designed to extend and strengthen the pupil's personal command of the language, and his knowledge of word formation and syntax. Here again the reading matter should be, in large measure, the center of the instruction, and some attention should be paid to literary appreciation.

Advanced German represents a fourth year of daily recitations. Besides rounding out the pupil's knowledge of grammar, and increasing his facility in speaking and writing, this course should make considerable addition to his passive vocabulary and develop his literary appreciation. It would be advisable to choose most of the reading from the works of recent or contemporary writers, but some work or works of Lessing, Goethe, and Schiller should be studied intensively, while others might be assigned for outside reading and report.

8. Latin.—The reading required in elementary and advanced Latin (4 units), without regard to the prescription of particular authors and works, is not less *in amount* than Caesar, *Gallic War,* I–IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Virgil, *Aeneid,*

I–IV. An equivalent amount of reading from authors other than those specified above may be substituted. The following are suggested: Caesar, *Civil War;* Eutropius; Nepos; Terence; Phormio; Cicero, *Letters;* Sallust; Virgil, *Bucolics* and *Georgics;* Ovid, *Metamorphoses.*

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word —and so, gradually, of the whole sentence—as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

The school work in Latin should include much reading aloud, writing from dictation, and translation from the teachers' reading. Learning suitable passages by heart is also very useful, and should be practiced.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

9. Greek.—In Elementary Greek (2 units) the following requirements should be covered: Grammar, the inflections, and the essential points of syntax; Xenophon's *Anabasis,* Books I–IV, or an equivalent; prose composition. It is expected of every pupil that he be able to read Greek aloud without stumbling.

In Advanced Greek (1 unit): Homer, *Iliad,* Books I–III, or an equivalent; advanced prose composition. The pupil should have a good acquaintance with the forms and syntax of Homer, and be able to scan any given passage exactly and to read it rhythmically. In the writing of Greek the pupil should have a year's training beyond that required in Elementary Greek.

10. Drawing and Applied Art.—In each of the drawing subjects (Freehand, Mechanical, and Architectural) a unit of credit represents daily double periods for a year or single periods for two years.

In Freehand Drawing approximately two-thirds of the time should be given to representation and one-third to decorative and constructive design. *Representation* should include: Object drawing, boxes, books, bowls, vegetables, machine parts, drawn in various positions with attention to perspective facts in line and also to light and shade; plant forms, seed pods, shells, insects, animals, and simple landscape, drawn in line, in light and shade, and in color; composition, exercises in arrangement and adaptation of pictorial subjects into good composition, using both rhythmic line arrangement and harmonious color. The style of drawing should be direct, facile, and effec-

tive, adapted to the thing drawn, with refinement in its proper place and vigor in its proper place. The pupil should be equally familiar with the use of pencil and charcoal or brush. *Design* should include (1) exercises in space filling, borders and all-over patterns with use of geometric and organic forms; (2) principles of constructive and decorative design applied to simple objects, such as, in printing, a title-page or program; in textiles, a stencil or embroidery design for a curtain or table-scarf; in wood, working drawings for a chair, table, clock-case, bookrack, etc.; in metal, cabinet hardware and lighting fixtures, etc. Talks supplemented by photographs of the best paintings and architecture, and talks upon taste in home furnishing and appointments, with visits to worthy examples, should supplement the course with a view to developing an enlightened taste in art.

In Mechanical Drawing the pupil is expected to acquire neatness and accuracy in the use of drawing instruments. This course should include practice in line work, lettering, machine or architectural working drawings, and tracing. Recognition, commensurate with the length of course and the degree of proficiency attained in the use of instruments, will be given, however, to courses consisting of line work, lettering, and the construction of geometric figures.

11. Shopwork.—Two things are expected: First, a knowledge of the materials and tools used, and a thorough understanding of the principles involved in the operation performed; second, manual dexterity, as evidenced by neatness, accuracy, and dispatch in the execution of a given piece of work.

Woodworking (½ unit) demands the ability to recognize the common varieties of wood, and some knowledge of their physical properties, such as ease of working, strength, toughness, hardness, etc., is expected. The pupil should be familiar with the uses of the principal hand tools of carpentry, and, with care, be able to make the ordinary kinds of joints and splices, and be familiar with the operation of lathe, jig-, band-, and circular-saws, and planing machines.

Forge Work (½ unit) demands an elementary knowledge of the properties of wrought iron and steel, and of the proper heats at which to work them. The management of the forge and fire and the nature and uses of all the ordinary blacksmithing tools should be known. The pupil should be able to execute all of the common forging processes, including the various forms of welds in iron and steel; he is also expected to understand hardening, tempering, and annealing.

Foundry Work (½ unit) demands a knowledge (1) of the tools and processes used in the ordinary forms of green sand molding and core work; (2) of the properties of cast iron, and experience in pouring cast iron as well as in molding. The pupil should have had practice in charging and operating the cupola.

Machine Shop Work (½ to 1 unit) demands a knowledge of the tools and processes used in the working of iron, steel, and brass. The pupil should be able to execute all forms of vise work, such as chipping, filing, scraping, fitting, and finishing. He should be familiar, through experience in operation, with the simpler forms of machine tools, such as the lathe, drilling machine, planer, shaper, and milling machine.

12–15. Agriculture, Horticulture, Domestic Science, Commercial Subjects, Music.—The outline prepared by the University of California is suggested.

FEES, EXPENSES, AND AID FUNDS

TUITION AND INCIDENTAL FEES

THE Tuition Fee for undergraduates in all departments (except Medicine) is $75 per quarter.

The Incidental Fee for undergraduates (except in Medicine) is $20 per quarter. Students paying this fee have the privileges of the gymnasia, athletic grounds, hospitals, and Stanford Union or Women's Clubhouse, with membership in the Associated Students, without further quarterly fees. There is also a Pavilion fee of $1 per quarter assessed upon all undergraduates by the Associated Students.

Beginning September, 1926, the Incidental Fee will be discontinued, and undergraduates will pay $85 tuition and a $10 Community Fee covering gymnasium, clubhouse, hospital, and student privileges.

The Tuition Fee for regular graduate students, except in the departments of Law and Medicine, and in the Graduate School of Business, is $50 per quarter. The Tuition Fee for graduate students in Law is $65 per quarter; in the Graduate School of Business, $125 per quarter. The Hospital Fee for graduate students is $2 per quarter. Graduate students may have the privileges of the gymnasia and athletic grounds ($5), Stanford Union or Women's Clubhouse ($1), with membership in the Associated Students ($2), upon paying the quarterly fees. (Beginning October, 1926, graduate students will be required to pay the Community Fee of $10 which includes these privileges.)

After January 1, 1927, new graduate students will pay quarterly $85 tuition, except in the Graduate School of Business where it will be $115 per quarter.

The Tuition Fee for all students (graduate and undergraduate) in the School of Medicine is $85 per quarter; the Hospital Fee, $2 per quarter. Medical students desiring membership in the Stanford Union, Women's Clubhouse, or Associated Students, or the use of the gymnasia and athletic grounds, will pay the usual fees designated for these purposes. A deposit to cover breakage or loss of apparatus and materials may be required in any department, such deposits being returnable, less charge for breakage, loss, or wear and tear of apparatus. The total deposits for this purpose may vary from $10 to $20 per annum.

Students who have paid the regular fees of the Medical School in full and who wish to take additional work before graduation, will pay for this additional work such fees as are decided upon in conference with the Dean and the Executive Head of the department in which such courses are taken.

The General Fee at the Hopkins Marine Station (covering all charges) is $75 per quarter for undergraduates and $50 for graduates. (New graduate students will pay $75 per quarter after January 1, 1927, and all students will pay $85 per quarter after September 1, 1927.)

In addition to the fees listed above, students in laboratory courses pay for the materials which they use, and in some courses small syllabus and other fees may be charged.

(Tuition and incidental fees are ordinarily returnable, when duly claimed in writing, within two months after the date of withdrawal from the University, as follows: Two-thirds of the incidental fee and the whole of the

tuition fee will be refunded when the student withdraws within two weeks after the date of registration; one-half of the incidental fee and two-thirds of the tuition fee when the student withdraws at a later time, but within four weeks after the date of registration. Laboratory fees [except in Chemistry, where a different procedure is applicable] are likewise returnable when duly claimed in writing within two months after the date of withdrawal from the University, as follows: The whole amount will be refunded when the student withdraws within one week of the beginning of a quarter, and one-half the amount if the student withdraws before the middle of a quarter; but no fees will be refunded on account of withdrawal after the middle of a quarter, nor unless claimed in writing within two months after the date of withdrawal.)

A Diploma Fee of $5 is charged all persons receiving degrees from the University.

COST OF LIVING

There are five dormitories for men (Branner, Encina, Toyon, and Sequoia halls, and the Stanford Union) and one for women (Roble Hall).

Undergraduate men, not living with parents or guardians, are expected to room in the dormitories. Entering lower-division men are required to live at Encina Hall for the first three quarters in the University. Rooms in the Union are available preferably for graduates, "holdovers," and seniors. Application for room assignment should be made to the Dean of Men several weeks in advance of the opening of the quarter, and should be accompanied by a deposit fee of $5. Men students not rooming in the dormitories may live only in places approved by the University (consult the Dean of Men). Rooms in the dormitories cost from $18.50 to $36 per quarter (average cost $24 per quarter), payable at the beginning of each quarter. Students living in the dormitories are expected to supply their own linen and bedding for standard size single beds. Board may be obtained at the Stanford Union, Sequoia Hall, Encina Hall, and in various clubs, the cost ranging from $30 to $40 per month. Entering lower-division men who live at Encina Hall are also required to eat there. The cost of board in the Encina dining hall is approximately $30 per month, payable in two installments ($45 during the first week of the quarter, and the remainder about the fourth week).

In Palo Alto, at an average distance of a mile and a quarter from the University, rooms (for men) can be obtained in private houses at from $12 to $18 per month. Special commutation tickets are issued by the Southern Pacific Company, and students living in towns on the line of the railway, from San Francisco to San José, easily go to and from the University daily. There is also trolley connection with San José, Los Gatos, and intermediate towns.

Undergraduate women not living with parents or guardians, are required to reside in Roble Hall for three quarters. (Some modification of this requirement for the succeeding autumn quarter may be made for students entering in the winter and spring quarters.) Women students not residing in Roble Hall may live only in places approved by the University (consult the Dean of Women). Rooms in Roble Hall cost $30 per quarter and board $80 per quarter, except for the summer quarter, when it is $90. Room rent is payable in advance for the quarter; board in advance for the quarter or in two installments ($45 and $35, or, for the summer quarter, $45 each). Stu-

dents rooming in the Hall furnish couch covers, bed linen, blankets, towels, bureau scarfs, rugs, and curtains. White curtains are uniform for the Hall and must be purchased of the House Director. (Students in the summer quarter may rent curtains for seventy-five cents for the quarter; a few rugs are also available for rent to summer quarter students.) Applications for rooms in Roble Hall should be made to the Dean of Women and must be accompanied by a deposit of $5. Rooms are assigned in order of application, and early application is advisable.

The cost of living for students of Medicine in San Francisco is about the same as at Stanford University. There are numerous rooming and boarding houses near the medical buildings.

(A guest suite is maintained at the Stanford Union and may be engaged by making reservations in advance. The guest suite, available for men, or man and wife, is composed of a sitting-room, bedroom, and private bath. Rates per night, $3 for one person, $3.50 for two; by the week, $21. Limit of two weeks. Reservations may be made with the Custodian. Additional guest rooms will be added to the Union accommodations as far as the campus housing problem permits and patronage is assured.)

Fixed Expenses Per Quarter

The following is an estimate of the expenses *per quarter,* for undergraduate men, *for the items named:*

	Medium	High
Tuition and Incidental Fees	$ 95.00	$ 95.00
Books, Syllabus Fees, etc.	15.00	30.00
Board	90.00	120.00
Room	18.00	45.00
Incidentals (other than clothing and railway fares)	35.00	50.00
Laundry and clothing	35.00	100.00
Total for the quarter	$288.00	$440.00

Laboratory fees are additional. The cost of board is variable and the estimate given for men is conservative, while a lower cost is possible in co-operative clubs. For women residing in Roble Hall room and board amount to $110 for the quarter ($120 for the summer quarter). All undergraduates pay also the Pavilion assessment of $1 per quarter.

SELF-SUPPORT OF STUDENTS

A considerable number of students find it possible to earn the whole or a part of their expenses while attending the University. Success depends upon the student himself. The University, through the Appointment Secretary's office, and in other ways, is able to help the student both in finding work and in making plans. It cannot, however, assume the responsibility of supplying work for all applicants. The student who combines initiative with industry and reliability, and who is willing to adapt himself to circumstances, is the one who succeeds in this as in other undertakings. As a result of experience it is believed that no properly prepared student who is possessed of good health and who has no dependents need hesitate to undertake a university course because of lack of means; for if he is sufficiently in earnest in his desire to "work

his way through," opportunities will not be lacking, though regular opportunities may not be secured during the first quarter of residence.

Students who are contemplating earning their own expenses at the University should not register for a heavy course nor attempt to engage in more than one student activity, particularly during their first quarter at the University. (Self-supporting students whose scholarship is high are given preference in the awarding of scholarships.) While working one's way is an education in itself, there are many valuable features of college life that must be foregone if one is earning a living. Students who have the necessary means will do well to devote any energy not needed in their studies to various extra-curricular activities rather than to earning their expenses.

The student is not advised to enter the University without a reserve fund to provide for immediate needs or unexpected contingencies. This fund ordinarily ought to amount to at least $250, although it is preferable for new students to have a larger sum. The student needs time to get acquainted; to become adjusted to University methods and requirements; to systematize his University work; to learn about the various opportunities for earning money; and to discover how much time he can afford to devote to self-support and still make study his main object aside from keeping in good health. In general the student should not undertake to earn a larger proportion of his expenses than is absolutely necessary, for his working time is too valuable for this and should be devoted to his studies to the largest extent possible. It is recommended that no new student plan to devote more than four hours a day to earning his expenses.

The most ready-to-hand means of earning one's board at the University, whether for men or women, is by waiting on table. From three to four hours per day will cover the required time, which comes when it is least missed. Such chances are to be found in the dormitories, in cafés and boarding houses, and in public and private eating clubs. Other forms of work for the relatively unskilled are gardening, housework, care of children, janitor service, special jobs in connection with gymnasium and athletic activities, manual labor in connection with laboratory sections, agencies for laundries and other businesses, etc. Positions requiring more or less preliminary training have to do with plain cooking, clerking, bookkeeping, stenography and typewriting, music for dances, newspaper reporting, printing, tutoring, the management of student enterprises, etc. For advanced students in the various departments there are opportunities to act as assistants in quiz sections, in the reading of examination papers, reports, etc. Laboratory assistants are usually students either in graduate or undergraduate standing, as are also some of the part-time assistants in the various administration offices. Other means of support are found in the scholarships and fellowships offered, and through the considerable loan funds now available. A limited number of opportunities during the short vacations, particularly at Christmas time, can be found in San Francisco and elsewhere, as special postoffice clerks or salesmen in the larger stores.

New students who must begin earning as early as possible, will do well to be on hand a short time in advance of the opening of the University and to come equipped with bicycles and working clothes. They should

promptly enroll with the Appointment Secretary, Room 170, in the Administration Building. Women should discuss their plans also with the Dean of Women.

ASSISTANTSHIPS

Student-assistant positions held by either undergraduates or graduates in the various departments, range in pay from $35 to $150 each per quarter, the average being about $75 per quarter. These assistantships do not include a considerable number of minor positions in laboratories or elsewhere where mere labor without skill or special knowledge is required; nor do they include those positions where the full time of the assistant is demanded.

Each department selects and recommends for appointment its own assistants. Requests for information as to pay and duties, and applications for appointment, should be addressed to the Executive Head of the department in which a position is sought.

LOAN FUNDS

After the first quarter in the University, and in approved cases, students may defer payment of tuition fees by means of promissory notes. Applications should be made to the Dean of Men and the Dean of Women, respectively.

The following loan funds (with the exception of the Women's Student Loan Fund and the Alumni Jordan Scholarship Fund) are administered by the Committee on Scholarship. In general not more than one hundred dollars may be loaned to any one student, and provision is made for repayment not later than one year after date of graduation or withdrawal from the University. Applications should be filed with the Dean of Men.

The Alumni Jordan Scholarship Fund.—The Alumni Jordan Scholarship Fund has been founded largely by physicians who were at one time students of Stanford University. Its purpose is to pay the tuition fees of two or three medical students of high standing, with the stipulation that at some future time the amount will be returned without interest. The student who once receives this scholarship loan will be entitled to its use throughout his medical course, provided his work continues to be satisfactory.

Stanford Alumni Association Graduate Loan Fund.—Loans are restricted to candidates for advanced degrees, including the A.M., J.D., M.D., and Ph.D. degrees, preference being given to candidates for the Ph.D. degree. In making loans emphasis shall be placed upon character, scholarship, and intellectual promise in addition to personal need. $245.

Stanford Alumni Association Undergraduate Loan Fund.—"For worthy undergraduates." $522.40.

Associated Students Undergraduate Loan Fund.—For the benefit of worthy undergraduates who are members of the Associated Students of Stanford University. $250.

William Burton Barber Loan Fund.—Established in 1914 by Mrs. Anna M. Barber, in memory of her son, William Burton Barber, '02, "to provide for needy and worthy students." This fund, increased by over $5,000 from the estate of Mrs. Jeannette Taylor, is available for men and women of the senior class who have been registered in the University for at least one quarter. The amount of the fund is $6,549.49.

Class of 1906 Loan Fund.—No restrictions except such as may be imposed by the Committee on Scholarship. $100.

Horace Davis Loan Fund.—Mr. Horace Davis, charter member of the Board of Trustees, provided in his will a fund of $10,000, the interest of which is to be used as a loan fund for students. The amount of the fund is approximately $3,500.

Dean of Men's Loan Fund.—An emergency loan fund administered by the Dean of Men upon approval of the President. $2,619.71.

East Bay Stanford Women's Club Loan Fund.—Established in 1925 by the East Bay Stanford Women's Club. $200.

Harker Alumnae Association Loan Fund.—Established in 1917 by the Alumnae Association of Miss Harker's School, a large number of whose graduates have been Stanford students. There are no restrictions except that if a graduate of Miss Harker's School applies she shall be given preference, other qualifications being equal. $350.50.

Dr. Robert Patek Memorial Loan Fund.—Established in 1921 by Mrs. Sadie Dernham Patek (Stanford, '11) in memory of her husband, Dr. Robert Patek. This fund, principal and interest, is to be loaned to medical students to assist them in completing their medical course. A student who has once received a loan from the Fund is entitled to continue to get additional loans until his graduation. The loans granted to students are to bear no interest for six years, then to carry an interest rate of 6 per cent until paid. Applications for loans are to be made through the President's Office. $10,515.90.

John M. Switzer Student Loan Fund.—Mr. John M. Switzer (ex-'98) has presented to the Student Guild the sum of $500, which is to be used from time to time as an emergency loan fund to help tide over critical periods in the career of needy and deserving students who are trying to complete a course at Stanford.

Women's Student Loan Fund.—The Women's Student Loan Fund was organized by the Women's Conference through private subscription, and is increased yearly by small sums earned by a committee of the Conference. It is available for small emergency loans on the following conditions: (1) no interest to be charged until one year after the student leaves the University, then to begin at 6 per cent, payable annually; (2) all loans to be paid within five years after the student leaves the University. Applications for loans from this fund should be made to the Dean of Women. $1,721.66.

SCHOLARSHIPS

The San Francisco Lodge, No. 3, B.P.O.E., Scholarship.—Established in 1924, for a San Francisco boy, provided "that he be worthy, that he be in need, and that he be of good strong character." In 1925 a second scholarship was established. The amount available is $500 each.

The Bertha Hyde Braly Scholarship.—In 1916 Mrs. J. M. Braly, of Fresno, established an annual scholarship of $250 in memory of her daughter, Bertha Hyde Braly, '97. The amount of the scholarship was increased to $300 by Miss Elizabeth M. Braly in 1921. The scholarship is available for a woman student who is a resident either of Fresno County or Santa Clara County.

The Cap and Gown Scholarship.—Established in 1924, by the Cap and Gown Society, to be awarded to a woman student. The amount available is $300.

Colonial Dames Scholarship.—Established in 1923 and, either upon the recommendation of the Department of History or by competition, to be awarded to the student submitting the best paper on a subject in the field of colonial history. The amount available is $100.

The E. C. Converse Scholarships.—In 1921 the University received a bequest of $50,000 from the estate of Edmund C. Converse for the establishment of the E. C. Converse Scholarship Fund. The income of this fund is to be used under the direction and at the discretion of the President or other ranking executive of the University, in the establishment and maintenance of scholarships not exceeding $500 per annum, to be paid to needy and deserving students. Ten undergraduate scholarships of the annual value of $250 each have been created.

The Mabel Hyde Cory Scholarship.—In 1921 Miss Emma L. Martin, '97, and her sister established a scholarship of the annual value of $500, in memory of Mabel Hyde Cory, '96, who died February 15, 1921. This scholarship is to be awarded preferably to a needy young woman in the Department of History.

The William S. Cranston Memorial Scholarship.—In 1924 Mr. and Mrs. William M. Cranston established a scholarship of the value of $500 annually, in memory of their son, William S. Cranston. This scholarship is to be awarded to an entering student.

The George E. Crothers Law School Scholarship.—In 1917 Judge George E. Crothers, of the class of 1895, established a Law School Scholarship to be awarded annually. For the year 1925-26 the amount available is $250.

The Dickey Scholarships.—In 1914 the Trustees of the University received from the estate of the late W. J. Dickey, of Fresno, the sum of $10,000 for the establishment of the W. J. Dickey Scholarship Fund "to aid young men from Fresno County, preferably from Fresno City, to make their way through Stanford University." The Trustees of the Dickey Estate are Mr. E. A. Waldron, Cashier of the First National Bank of Fresno, and Mr. M. B. Harris, of the Fresno bar. The selection and appointment of the W. J. Dickey scholars is made by the President upon the recommendation of the Committee on Scholarship, subject to the provision that the trustees under the will of Mr. Dickey shall be consulted and their advice taken before any appointment is made. No one may be appointed to a Dickey Scholarship unless he shall have been a resident of the County of Fresno, and preferably of the City of Fresno, for at least two years prior to his appointment; and no scholarship may be held or shared by one person for more than four years.

No one may be appointed to a W. J. Dickey Scholarship unless he has fulfilled all the requirements for regular standing in the University.

Other things being equal, in making appointments preference shall be given to first-year students.

Appointments are made for the college year, but may be terminated earlier at the discretion of the committee, and also at the discretion of

the committee appointments may be renewed for a total period not to exceed four years.

In making its recommendation the Faculty Committee shall keep in mind that the donor of the W. J. Dickey Scholarship Fund wished the benefits derived therefrom to favor persons financially unable to make their way through college. In addition to this fact, character, scholarship, and seriousness of purpose shall be taken into consideration in determining appointments.

The W. J. Dickey Scholarship Fund provides for two scholarships of about $225 each, payable in nine monthly installments.

Application for appointment to the W. J. Dickey Scholarships, with pertinent evidence and testimonials, is to be made to the President of the University, who will refer it to the appropriate committee. Candidates shall be recommended by the committee to the President, who will submit the names to the Trustees of the Dickey Estate, and upon their approval appointments shall be made by the President of the University.

The Henry G. Dodds Scholarship.—In 1921 Mr. Henry G. Dodds established a scholarship fund of $3,000, which in 1925 was increased to $5,000. The income from this fund ($270) is to be awarded annually to a deserving male student, preferably from the Pacific Coast.

The Orrin W. Dunn Scholarship.—Established in 1923 by Mrs. Harriet L. H. Dunn to aid in meeting the expenses of young men (who must be unmarried) attending Stanford University and registered in any of the various departments of engineering, chemistry, geology, or medicine, with sufficient credit to entitle them to junior standing. The donor has provided that the holder of the scholarship shall be selected by the President of the University. The annual value of the scholarship is $300.

Faculty Women's Club Scholarship.—Established in 1925 by the Faculty Women's Club of Stanford University. The amount available is $100.

The Hiram C. Fisk Scholarship.—In 1920 Mr. W. D. Fisk established a scholarship in memory of his son, Hiram C. Fisk, who is on the Stanford Honor Roll. The amount now available is $250 per annum.

Florence Hecht Fries Scholarship in Medicine.—In 1925 Mrs. Dorothy Fries Lilienthal established a scholarship fund of $5,000 in memory of her mother, Mrs. Florence Hecht Fries. The income of this fund ($250) is to be awarded annually to a worthy and needy student preparing for the profession of medicine, the selection being made by the President of the University or by a properly authorized committee.

The Gertrude Gardiner Scholarship.—In 1920 Miss Gertrude Gardiner established a scholarship of the annual value of $200, to be known as the Gertrude Gardiner Scholarship, and to be awarded to a non-sorority woman who has been a student in the University for at least two quarters and who is a resident of Roble Hall.

The Wilmer J. Gross ('16) *Scholarship.*—In 1919 Mrs. Wilmer J. Gross (Dorothy Davy, '16) founded a scholarship in honor of her husband, Wilmer J. Gross, '16, who died in service in France. This scholarship, of the annual value of $150, is open to all undergraduate men who have been in residence in the University at least one year, the appointment to be based primarily on scholarship, with the addition of good moral character and general excellence.

Harvard Club Scholarships (for students residing in the neighborhood of San Francisco).—The Harvard Club of San Francisco offers two scholarships, of the annual value of $350 each, to students desirous of pursuing undergraduate studies in Harvard College, or postgraduate studies in Harvard University. Other things being equal, preference will be given to undergraduates. In awarding these scholarships the scholarly attainments of the applicants, as shown by their records, their character, needs, and general development will be considered. Applications should be made in writing, not later than February 15, to the Chairman of the Scholarship Committee of the Harvard Club of San Francisco, Mr. George S. Potter, 1827 Pacific Avenue, San Francisco.

William F. Herrin Scholarship Fund.—In 1925 the University received from Mrs. William F. Herrin, of San Francisco, a gift of $4,500, the income to aid deserving students who need or require such aid in order to obtain or complete their education. The annual value of the scholarship is $300.

The Brodie G. Higley ('99) *Scholarship.*—In 1915 Mr. Brodie G. Higley, of the class of 1899, established, through the Alumni Association, an annual scholarship of $150, "open to either a man or woman undergraduate student who is in good and regular standing in the University, and to whom the money will be a real assistance." In 1919 Mr. Higley deposited with the Board of Trustees securities to the amount of $3,000 to perpetuate this scholarship.

The selection and appointment of the Brodie G. Higley scholar will be made by the President upon the recommendation of the Faculty Committee on Scholarship. Appointment will be made for the college year, but may be terminated earlier on recommendation of the Committee and at the discretion of the President.

Applicants for the scholarship must have been registered in the University for at least three quarters prior to the time of application. In making appointments it will be the purpose of the University to emphasize character, scholarship, and intellectual promise, as well as personal need. Ordinarily the scholarship will be payable in six equal installments, beginning October 1. Applications should be filed with the Academic Secretary of the University.

The E. W. Hopkins Scholarships.—In 1923 the University received from Mr. E. W. Hopkins a gift of $25,000, the income to be used for paying the tuition of needy students. Five scholarships for entering students, of the annual value of $250 each, have been established.

The Charles Andrews Huston Memorial Scholarship.—Established in 1923 by Mrs. Margaret Huston as a memorial to her husband, Charles Andrews Huston, for many years Professor of Law and Dean of the Stanford Law School. The holder is to be either a graduate or an undergraduate student in the Law School, nominated by the faculty and approved by the Committee on Scholarships. Provided he meets the minimum requirements for holders of University scholarships, the holder need not be chosen primarily for scholarship rating, but for high personal, social, and professional ideals and for interest in cultural fields outside his professional work. The amount available is $150.

The Ira S. Lillick Scholarship.—In 1920 Mr. Ira S. Lillick, of the class of 1897, established a scholarship, of the value of $500, to be awarded annually to a worthy student, preferably in Law.

The Mrs. Ira S. Lillick Scholarship.—In 1920 Mrs. Ira S. Lillick established a scholarship, of the value of $500, to be awarded annually to a worthy student, preferably in Law.

The Ernest A. Love ('18) *Scholarship.*—In 1920 Mr. and Mrs. Allan Love founded a scholarship, of the annual value of $150, in honor of their son, Ernest A. Love, '18, who died in service in France. This scholarship is open to worthy and needy undergraduate men, preference being given to students from Arizona.

The Mrs. McDowell Roble Club Scholarship.—The sum of $150 per year has been presented to the University by Mrs. John E. McDowell for the purpose of establishing a scholarship to be granted to a Roble Club member who has been a student in the University and a resident of Roble Hall for two years, the award being made at the close of the junior year.

Memorial Scholarship.—The trust establishing the Leland Stanford Junior Memorial Scholarship provides a fund of $6,000, the income of which shall be used "to pay the living expenses, cost of books, fees, and other necessary expenses of the holder." Under the present arrangement the Memorial scholar receives in cash $100 per quarter, or a total of $300 for the academic year. In addition the trust sets aside a room in Encina Hall for the use of the holder of the scholarship and for which no charge is made.

The Dorothy Metz ('17) *Scholarship.*—In 1920 Mrs. Lillian C. Metz established an annual scholarship, of the value of $200, in memory of her daughter, Dorothy Amanda Metz, '17, who died in service, the scholarship to be awarded "to a worthy and ambitious student of limited means." In 1925 an endowment of $5,000 was left by Mrs. Metz in her will which, for the year 1926–27, will increase the value of the scholarship to $250.

Robert S. and Florence Moore Scholarship.—In 1925 the University received from Mr. and Mrs. Robert S. Moore a fund of $3,000, the income to be applied to the support of some worthy student. The annual value of the scholarship is $150.

Palo Alto Public School Scholarship.—Established in 1925 for the year 1925-26 by the teachers of the public elementary schools of Palo Alto. The scholarship is to be awarded to a Stanford student on the basis of character, need, promise, and a scholarship record of an average of B grade or higher for at least two years. Qualifications, including scholarship, being equal, it is to be given to a graduate of the Palo Alto Elementary Schools; otherwise, to the applicant deemed most worthy in the judgment of the Committee on Scholarship. $175.

Regional Scholarships.—These scholarships may be awarded to persons who meet the minimum requirements for admission to the University (fifteen acceptable high-school units); who ranked in the upper fifth of their graduating class, counting all four years of the preparatory course, or only the last two; and who need this help in order to enter

the University. Nominations and funds for regional scholarships will be received from the organized alumni of the region.

The Rhodes Scholarships.—Under the will of the late Cecil Rhodes two scholarships are assigned to each state and territory in the United States. Each scholarship has a yearly value of £350, and is tenable at any college in the University of Oxford for three successive academic years.

Candidates must be unmarried, must be citizens of the United States, and must be not younger than nineteen nor older than twenty-five on October 1 of the year in which they are elected. All scholars, before going into residence, shall have reached at least the end of their sophomore year at some recognized degree-granting university or college. In accordance with the wish of Mr. Rhodes the trustees desire that "in the election of a student to a scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; (4) his exhibition of moral force of character and of instincts to lead and take an interest in his schoolmates during school days."

The Dr. Emmet Rixford Scholarship in Surgery.—In 1921 Dr. Emmet Rixford, Professor of Surgery in the Stanford Medical School, made a gift of $500, to be awarded to some graduate of Stanford Medical School or to some staff member of rank under that of assistant professor, to be chosen by the medical faculty, for work on some surgical problem, anatomical, physiological, pathological, or clinical, the problem to be approved by the faculty.

San José Stanford Scholarship.—Established in 1925 by the San José Stanford Club for the year 1925–26. $160.

San Mateo Union High School Scholarship.—Established in 1921 by the Associated Students of the San Mateo Union High School. $300.

The Margaret Sidney Scholarship.—Established in 1924 by Miss Margaret Lothrop in memory of her mother, Mrs. Daniel Lothrop. The preference is to be given a woman student who is interested in writing as a life work. The amount available is $300.

The Leon Sloss Fund.—In 1922 Mrs. Bertha G. Sloss established a fund of $5,000 in memory of Mr. Leon Sloss, one of the original trustees of the University, the income to be awarded annually to a needy student. At present this fund is being administered by the Scholarship Committee. $250.

Stanford (Anonymous) Scholarship.—Established in 1924 for the year 1924–25. Renewed in 1925 for the year 1925–26. Value $150.

Stanford Resident Alumnae Scholarship.—In 1925 the Stanford Resident Alumnae voted to offer a scholarship for the year 1925–26, of the value of $300, preferably for a woman student.

Stanford Student Chapter of the American Society of Civil Engineers Scholarship.—Established in 1925 by the Stanford Student Chapter of the American Society of Civil Engineers for the year 1925–26. $300.

Stanford Women's Club of San Francisco Scholarship.—The provisions of this scholarship, established in 1924, stipulate that it shall be awarded preferably to a San Francisco girl and that the need of the student shall be the chief concern. The amount available is $150.

The John Maxson Stillman Scholarship in Chemistry.—Established from the Stillman Testimonial Fund, presented to Professor John Maxson Stillman by graduates and former students in chemistry, and by others, on the occasion of his retirement from active service in the University, in May of 1917. The amount available is $150 per year, and the scholarship is open to undergraduate or graduate students in the Department of Chemistry upon nomination by the department faculty and approval of the President.

The University Scholarships.—In 1919 the Trustees of the University established for graduate students thirty Stanford scholarships, each paying $200 per year of three quarters, awarded for a term of one year, and allowing for the scholar's reappointment at the expiration of this time. Holders of these scholarships are required to pay tuition and incidental fees, the graduation (diploma) fee, laboratory expenses, and all similar charges laid upon other graduate students.

Charles W. Willard Scholarship.—In 1925 the University received from the partners and family of the late Charles W. Willard a gift of $5,000, the income to be used to establish a graduate scholarship for advanced study in administrative, public health, or social service work. This scholarship is to be given only to graduates of the Stanford School of Nursing who, in the opinion of the Superintendent of the Hospital and the Superintendent of Nurses, are best qualified to pursue such advanced course of study. $250.

FELLOWSHIPS

American Field Service Fellowships for French Universities.—The American Field Service Fellowships have been established in order that advanced American students may avail themselves of the great advantages offered by the French universities in every field of science and learning. To be eligible a candidate (1) must be a citizen of the United States; (2) must be preferably between the ages of twenty and thirty years; (3) must at the time of making the application be a graduate of a college of recognized standing; (4) must be of good moral character and intellectual ability, and of suitable personal qualities; (5) must have a practical ability to use French books, both in general subjects and in his special field.

Each fellowship for the year 1925–26 has an annual value of $1,200 and is tenable for one year, renewable for a second year upon application. Candidates should apply before December 15 to the Secretary, American Field Service Fellowships for French Universities, 522 Fifth Avenue, New York City.

American Smelting and Refining Company Fellowship in Chemistry.—Established in 1925 for two years for the purpose of investigating the sulphur dioxide problem. ($1,000 plus $500 for expenses.)

The Buckel Fellowship.—In 1914 the University established, through the co-operation of the trustees of the estate of Dr. C. Annette Buckel, a research fellowship for the study of backward and feeble-minded

children. The annual income from the Buckel estate is supplemented by a sum appropriated by the Trustees of the University, making the total amount available for the fellowship $500.

Commission for Relief in Belgium (C.R.B.) Fellowships.—In 1919 there was established an exchange of graduate students between Belgian and American universities under the auspices of the C.R.B. Educational Foundation, Inc. Application for these fellowships for Americans should be made through the President's office, or directly to the Secretary of the Foundation, 42 Broadway, New York, N.Y.

Fellowships in School Administration.—In 1919 a fellowship was established jointly by Professor Cubberley and the Board of Trustees, of the annual value of $500, and known as the Fellowship in School Administration. In 1924 a second fellowship of the same character and amount was established by similar joint action. Application for these fellowships should be made through Professor Cubberley.

Fellowship in the Study of Gifted Children.—In 1919 a Fellowship for the Study of Superior Children was established jointly by Professor Terman and the Board of Trustees, of the value (for 1925–26) of $1,250. Application for this fellowship should be made through Professor Terman.

The Cyril F. Elwell ('07) Fellowship.—In 1919 Mr. Cyril F. Elwell, '07, established a scholarship, of the annual value of $500, to be awarded by the Committee on Graduate Study to a graduate student in the Department of Electrical Engineering, upon the recommendation of the Department.

John Simon Guggenheim Memorial Foundation Fellowships.—In 1925 Senator and Mrs. Simon Guggenheim announced a preliminary gift of $3,000,000 for the endowment of the John Simon Guggenheim Memorial Foundation Fellowships, in memory of their son. The purposes of the Foundation are "to improve the quality of education and the practice of the arts and professions in the United States, to foster research, and to provide for the cause of better international understanding."

The fellowships are open to both men and women, ordinarily between the ages of twenty-five and thirty-five, who have shown marked ability in their particular subject, and are available for study in any country in the world. The principal obligation imposed on the holders of fellowships is that they shall produce contributions to knowledge in their special subjects and, secondly, that they shall make the results of their studies publicly available.

The annual value of each fellowship is approximately $2,500. Application should be made to Henry Allen Moe, Secretary, John Simon Guggenheim Memorial Foundation, 2300 Pershing Square Building, New York City.

The Eric Knight Jordan Research Fellowships in Geology.—In 1926 Dr. and Mrs. David Starr Jordan established a fellowship fund in memory of their son, Eric Knight Jordan, to be awarded annually. The amount available for 1926–27 is $330.

The Lionel Remond Lenox Fellowship in Chemistry.—In 1921 Professor Lionel Remond Lenox, of the Department of Chemistry, established a fellowship, of the annual value of $600, the condition of award being as follows:

The holder of the fellowship must be a graduate of Stanford University or of some other college or university of recognized standing; must have taken at least one year of graduate work in the Department of Chemistry of Stanford University; must be a candidate for the degree of Doctor of Philosophy in Chemistry in Stanford University; must show an excellent degree of scholarship; and, in addition, be of good moral character. The question of the financial stress of the holder need not be considered primarily, though in general, where there are several applicants of equal degree of scholarship, preference naturally should be given to the one most in need of financial assistance; the selection of the candidate to rest entirely with the Department of Chemistry.

The Physical-Therapy Fellowship.—This gift, established by an anonymous donor in 1923, and to be known as the Rehabilitation Fund of the Medical School, provides a fellowship for six months. The amount available is $300.

Thomas Welton Stanford Fellowship in Psychic Research.—From the "Psychic Fund" created by Mr. Thomas Welton Stanford, in 1913, the Trustees have established this fellowship for research in psychic phenomena.

Teaching Fellowships.—The Board of Trustees established in 1917 two teaching fellowships, of the value of $600 each, in Chemistry.

The University Fellowships.—The Trustees of the University established in 1917 two University fellowships, and in 1919 six additional fellowships, of the value of $750 each per year of three quarters, to be awarded annually by the Committee on Graduate Study for the purpose of fostering advanced study and research in the University. In 1925 four additional fellowships of the value of $400 each were established. In general these fellowships will not be awarded to students in their first year of graduate study.

The William Roberts Eckart Research Fund for Mechanical Engineering.—Together with his mother, sister, and two brothers, Professor W. R. Eckart, of the Department of Mechanical Engineering, established this fund, in 1923, as a memorial to his father, William Roberts Eckart, the income each year to be applied toward the furtherance of research in the Department of Mechanical Engineering, either by grants for research, for scholarships or fellowships, for prizes, or in any other manner which, in the judgment of the President of the University and the full professors of the Department of Mechanical Engineering, may seem most desirable to produce the best results.

For the present, the donors suggest that: (1) a prize of $50 or more, depending upon the amount of interest available, be awarded to that student in Mechanical Engineering presenting the best thesis during each college year, this award to be known as the "William Roberts Eckart Prize in Mechanical Engineering"; (2) in judging the merits of the various theses submitted, the following points be considered: "conception, originality, analysis of problem, method of attack, experimental work, presentation of data, and results and conclusions drawn from same"; (3) the awards be made by a committee consisting of the full professors of the Department of Mechanical Engineering; (4) no award be made in any year in which no thesis of sufficient merit, in the judgment of the committee, is presented.

Yale Alumni Association Fellowship.—For the pursuit of graduate study at Yale, the Yale Alumni Association of California awards annually to a graduate of Stanford University or of the University of California, the sum of $300 (to which Yale University adds an amount equal to the charge for tuition). Applications should be addressed to the Secretary of the Yale Alumni Association, University Club, San Francisco.

THE STUDENTS' HOSPITAL FUND

The Students' Hospital Fund has been established for the sole benefit of the student and is financed by the payment of $2.00 per quarter, which, for undergraduates, is included in the incidental fee. Arrangement has been made with the Palo Alto Hospital and with the Stanford University Hospital in San Francisco for the care of noncontagious cases. For contagious diseases at the University, the Fund maintains an Isolation Hospital on University property. The Fund provides substantial financial assistance in cases of medical and emergency surgical treatment.

GENERAL REGULATIONS

REGISTRATION

ON THE appointed Registration Days, in October, January, April, and June, each student must obtain a certificate of registration *in person* at the Registrar's office.

Matriculated students may register after the appointed Registration Days upon payment of a special fee: two dollars on the first or second day, three dollars on the third day, four dollars on the fourth day, and so on up to the maximum of ten dollars. Registration of undergraduates (including special students) will not be permitted later than three weeks after the beginning of instruction. (Places are not held for women, nor for new lower-division men, after the regular Registration Days, except by permission of the Committee on Registration granted in advance.)

STUDY-LIST CARD

At the Registrar's office the student receives a card for selection of studies for the quarter. This card, properly filled out, and approved for lower-division students by the Committee on Lower Division Administration, for others by the Major Department, must be filed with the Registrar at the time of registration; but late study cards will be accepted upon payment of a special fee of two dollars. Students registering late are admitted to particular classes only by permission of the instructor concerned. All work for which university credit is desired must be duly registered.

ENROLLMENT IN CLASSES

A student desiring to enroll in any class presents his certificate of registration to the instructor at the beginning of each quarter. (In certain lower-division classes he must also present the seat card issued by the Lower Division Committee which assures enrollment.) Whether the student is qualified for enrollment in a particular class is a question to be decided by the instructor in charge. In general, the prerequisites for taking any given course are noted under "Courses of Instruction."

CHANGE OF STUDIES

A student desiring to drop a subject once taken up, or to take up a new subject after the study card has been filed, must present to the appropriate committee a petition for such change, approved by the major department and by the instructors whose subjects are to be taken or dropped. In general, petitions so approved, and not involving courses required of lower-division students, if they do not give the student too many unit-hours, or too few unit-hours, and if presented within three weeks after the beginning of the quarter, are granted without question. At the end of the first three weeks the undergraduate study-lists are to be considered as fixed. After this period petitions to drop or take up courses are granted only for extraordinary reasons, and where the taking up of new subjects is involved, only on payment

of a special fee of two dollars for each course; if otherwise acceptable but presented after the close of the quarter, they will be granted only on payment of a special fee of four dollars for each course. During the last four weeks of the quarter no courses may be officially removed from the student's study-list for any reason whatever; but if failure to complete a course satisfactorily be due to illness or other unavoidable circumstance, application may be made to the Committee on Scholarship for such relief as shall seem equitable.

CHANGE OF MAJOR SUBJECT

Petitions to change the major subject will be granted when approved by the departments in charge of both the old and the new subjects, the student being held to all the requirements of the new major subject.

AMOUNT OF WORK

Fifteen hours per week of recitations or lectures, or an equivalent in laboratory work (counting fifteen units toward graduation) constitute an average quarter's work. Undergraduate registration for less than thirteen units is permitted only in the case of students doing outside work for self-support or otherwise, or where considerations of health are involved, and upon approval of the Committee on Registration. Aside from this limitation, the undergraduate student may undertake any program of studies approved by the Lower Division Committee, or by the major department, as the case may be, subject to the following restrictions: (1) For the first quarter in residence at the University the amount of credit which may be counted toward graduation shall not exceed sixteen units, except as noted below under four; (2) where a condition or failure or withdrawal without permission has been incurred in the preceding quarter, the amount of credit which may be counted toward graduation shall not exceed sixteen units, except as noted below under four; (3) where the work of the student for the three preceding quarters falls below an average B grade (two grade points per unit), not more than eighteen units may be counted toward graduation, except as noted below under four; (4) any student who has received credit for at least 123 of the 180 units required for graduation, and whose previous record does not fall below a C+ average (one and one-half grade points per unit), may, upon application to the Committee, be given permission to undertake the completion of his work for the A.B. degree in three quarters; if he has received credit for 140 units, in two quarters; if for 159 units, in one quarter; (5) where the previous Stanford record of the student reaches an average B grade, no restriction is placed upon the counting value of the approved program of studies.

Grade point averages and totals shall be based upon the actual units registered and not upon the counting value toward graduation.

Graduate students are not held to any prescribed number of units, but ordinarily registration will not be permitted unless such students are prepared to devote at least half of their working time to university study.

Petitions for irregular registration are to be presented at the beginning of the quarter.

Every unit for which credit is given is understood to represent approximately, for the average student, three hours of actual work per

week, through one quarter. Thus, in lecture or recitation work, for one unit of credit one hour per week may be allotted to the lecture or recitation and two hours for preparation or subsequent reading and study on the part of the student; but if a less amount of time is allotted for preparation or subsequent reading or study, there shall be a proportionate decrease in the amount of credit. Where the time is wholly occupied with drawing, field, or laboratory work, or in the classroom work of conversation classes, three full hours per week through one quarter are expected of the student for each unit of credit; but where such work is supplemented by systematic outside reading or experiment under the direction of the instructor, such a reduction may be made in the actual drawing, field, laboratory, or classroom time as seems just to the department concerned.

INDEPENDENT STUDY PLAN

At the beginning of the junior year, or at the beginning of any quarter thereafter, any student whose university record is of an average B grade or above, or who is deemed by his school or department as specially qualified may, with the consent of the school or department, enroll under the Independent Study Plan. The plan of study is arranged with the intention of providing a program of work both more comprehensive and more intensive than that of the average student, calling for greater initiative, more self-direction, a higher type of thinking, and leading to a comprehensive final examination or examinations. Some faculty member of the school or department is the special adviser of the student. The student is checked up in his work through reports, theses, discussions, and conferences with the adviser, or, and to the extent that may be determined, through meeting the regular tests in particular courses.

SCHOLARSHIP HONORS

High scholastic attainment is recognized by the University in the following ways: By awarding honors upon the completion of the Lower Division, to about the upper tenth of the class; by conferring the degree of Bachelor of Arts "with distinction" upon about one-tenth of the graduating class, "with great distinction" upon about one-twentieth of the graduating class.

SCHOLARSHIP GRADES

In reporting the standing of students at the end of each quarter the following grades are used: A, B, C, D, passing grades, corresponding in a general way to the terms, "excellent," "good," "fair," "barely passed"; + passed (without defining grade); ± conditioned; (—) failed. In grading classes, A is considered as normally applicable to not more than 15 per cent, B and C to 35 per cent each, and D to 15 per cent of the students of passing grade. (This distribution of grades is advisory, and is understood to admit of a certain degree of flexibility in the handling of small classes.)

CONDITIONS AND INCOMPLETES

A student conditioned or reported incomplete in any subject must remove the deficiency within one calendar year (interpreted as the succeeding four quarters of actual attendance), or the work will be considered a failure.

A deficiency due to failure to take or pass a written (final) examination is removed by passing a similar test on the same work. This may be done by taking a regular class examination in the course if repeated in time, or a special written examination to be held during the fourth week of any quarter. A student is entitled to one examination within the year, either regular or special.

Where deficiencies are due to failure to take or pass an oral examination, the time for holding a new oral examination to remove the condition or incomplete, is determined by the instructor concerned. Compliance with the regulations for written examinations, so far as practicable, is required.

Deficiencies due to other causes may be removed by any work or test satisfactory to the department concerned.

Only one examination to remove a condition is permitted. If an examination to remove an incomplete results in a condition, but one examination is allowed to remove it. Instructors will report grades on all such examinations to the Registrar. For every removal of a condition or incomplete, except when removed by passing a regular class examination, a fee of two dollars will be charged each student. Any deviation from these regulations requires the approval of the Scholarship Committee.

SCHOLARSHIP REPORTS AND NOTICES

At the end of the quarter each department is notified of all serious deficiencies in scholarship affecting students whose major work is in that department.

When a student is reported as seriously delinquent in scholarship, the fact is communicated to his parent or guardian.

PROBATION AND DISQUALIFICATION

Standard work is obtaining fifteen units, with as many grade points as registered units, per quarter. This standard applies to each quarter and also as an average standard to be maintained on the entire record of the student.

At the end of any quarter in the University a student who fails to obtain twenty-two counts (the sum of units and grade points) is placed on probation. At the end of the first or second quarter he is considered as failing in his studies, and is disqualified for further attendance at the University, if he does not obtain ten counts. At the end of subsequent quarters less than fifteen counts will result in disqualification.

At the end of the second and every subsequent quarter the student's entire accomplishment is compared with what would have been obtained had he done standard work. If he is above, at, or even slightly below standard his scholarship standing is considered normal. But if his deficiency becomes considerable the result is probation, and in serious cases disqualification.

Application for reinstatement is not ordinarily considered until the end of three quarters after disqualification; but a student disqualified solely on a deficiency in a single quarter who has an average C grade in all his Stanford work prior to that quarter, may be reinstated at the end of one quarter, except that such students disqualified in June may not re-enter before the following January. Reinstatement is granted only upon

satisfactory evidence that the student has employed the period of absence from the University usefully, either in attendance at another educational institution or in some gainful occupation. Work in another institution must reach an average quality halfway between passing and one hundred; or, if the institution is a member of the Association of American Universities, one-third above passing. Work outside of a college or university must show diligence, ability, and maturity of purpose.

LEAVE OF ABSENCE IN CASE OF DELINQUENT SCHOLARSHIP

Leave of absence will not generally be granted to a student on probation, nor to any student whose work during the current quarter is unsatisfactory, unless applied for at least four weeks before the end of the quarter.

FROM SPECIAL TO REGULAR STANDING

Special students may be entered in regular standing on passing examinations in the required number of entrance subjects, provided such examinations are passed not later than two years after matriculation. In place of entrance examinations, university work to the amount of seven units for each entrance unit may be offered in university subjects which are also included in the entrance group. (Entrance examinations are given in June by the College Entrance Examination Board; in September by the University, using the comprehensive question papers prepared by the Board.)

UNIVERSITY CREDIT FOR EXTRA ENTRANCE SUBJECTS

High-school subjects offered in excess of the fifteen units required for undergraduate standing may be credited toward graduation, with a maximum of seven university units for one entrance unit, under the following conditions: (1) The subject must anticipate a course or courses given in the University (e.g., advanced mathematics, the laboratory part of elementary chemistry, or a foreign language); (2) the student, during his first six quarters in the University, must either pass the regular quarterly examinations in the corresponding course, or else complete an advanced course in the University in the same subject with a grade not lower than B. Additional high-school units earned after matriculation may be offered only by special students and for the purpose of making up entrance deficiencies.

UNIVERSITY CREDIT FOR SPECIAL COURSES

Matriculated students on leave of absence may take work in other universities, usually without any restrictions other than those imposed by the institution in question. But work undertaken in any summer session may be subject to special regulations, and must be approved by the major department and by the department in which work is to be taken.

Work of a special character taken outside of regularly scheduled classes, *in absentia* or during vacation periods, may be credited under the following conditions: (1) The work must be acceptable as part of the major requirements for the A.B. degree in the department whose courses it parallels or supplements, must be given necessary supervision and direction by such department and subjected to tests equivalent to those in regularly scheduled courses, and must be approved by the major department and by the Com-

mittee on Admission and Advanced Standing; (2) such work may not be offered by students whose general scholarship record is unsatisfactory, or for covering deficiencies due to poor scholarship; (3) not more than forty-five units may be credited toward graduation for such special courses.

Ordinarily the last quarter's work of every candidate for a degree must be taken in this University; but in special cases, students who have obtained at least one hundred and thirty-five units in resident work, and who have completed all major department requirements, may be exempted from this regulation and permitted to complete the required number of units under the provisions noted above.

ADVANCED CREDIT

A student from an institution of equivalent rank, who maintains a satisfactory record after admission, may expect to receive the same standing as at the former institution, but not to exceed three years' advanced credit (one hundred and thirty-five unit-hours toward graduation), and not without consideration of differences in the standard of entrance preparation. Every candidate must present a full certified transcript of his college record, including entrance credit, and a letter of honorable dismissal.

Recommended graduates of approved State Normal Schools where the normal training has been preceded by a full four-year high-school course, or where high-school and normal-school courses together cover six years' work, may ordinarily be granted an advanced credit of sixty-seven units; in the case of students from California State Teachers' Colleges, beginning with the 1921 graduating classes, this advanced credit may be increased to ninety units, provided, in the judgment of the Committee on Admission and Advanced Standing, the courses taken by the student are substantially equivalent to the work of the Lower Division of the University.

In general advanced standing for work done before matriculation will be given only when certified as having been completed in some institution of recognized collegiate rank, except as provided above for extra entrance units, or, in particular cases, to recommended graduates of approved State Normal Schools. But in special cases permission may be given by the Faculty to receive credit on examination for work equivalent to regular university courses. Application for such examinations, with satisfactory evidence of the work accomplished, must be presented to the Committee on Advanced Standing. Applications for advanced standing on the basis of work done before entering the University must be made within two years after matriculation.

GRADUATE STANDING

Admission to technical graduate standing does not imply admission to candidacy for an advanced degree (for the conditions of such candidacy see pp. 129–132). If graduates of other universities desire to become candidates for the baccalaureate degree, the question of units required for graduation may be waived, upon approval of the Committee on Admission and Advanced Standing, and the degree conferred on the satisfactory completion of not less than forty-five units of university work and the fulfillment of all major and minor requirements. Graduate students not candidates for any degree, may be permitted, upon the approval of the major department, to undertake such work as their previous training seems to warrant.

LEAVE OF ABSENCE

A student desiring to leave the University for a brief time should apply to the Committee on Registration. If leave of absence is desired on account of sickness, the petition must be indorsed by the medical adviser. A leave of absence is merely a justification of the absence and not a relief from the work that has been missed, and is usually necessary only in case of interrupted work; a student in good standing absent one or more quarters may re-enter at the beginning of any quarter without formal petition.

HONORABLE DISMISSAL

An honorable dismissal means that the student is permitted voluntarily to withdraw from the University and is commended to the favorable consideration of any institution he may wish to enter. An honorable dismissal may be granted upon written application to any student not under discipline for misconduct.

CONDUCT OF STUDENTS

The Committee on Student Affairs exercises the authority of the University over all students individually with respect to personal conduct, and, with the exception of athletic and debating teams, over student organizations which bear the name of the University, or which represent the University in non-academic activities, and, in general, assumes such measure of authority over non-academic organizations of students as may be needful to safeguard the general good name and well-being of the University community.

Individual or collective student enterprises, which involve the absence of the participants from the University, while using the University name must receive the official sanction of the Faculty Committee concerned.

In the government of the University the largest liberty consistent with good work and good order is allowed. Students are expected to show both within and without the University such respect for order, morality, personal honor, and the rights of others as is demanded of good citizens. Failure to do this will be sufficient cause for removal from the University.

In 1908 the Board of Trustees of the University provided that in all future rentals or leases of houses as fraternity chapter houses it shall be expressly stipulated that no intoxicating liquors of whatever kind shall ever be sold or used on the premises. The Trustees also by formal resolution requested the Academic Council to prohibit the use of liquor in fraternity chapter houses, student clubhouses, and other student lodgings.

This action of the Board of Trustees is in harmony with the instructions given by the Academic Council to its Committee on Student Affairs, and defines the policy of the University. Prohibition of the use of liquor extends to all student lodgings whether on the campus or elsewhere, and the University assumes that the act of registering as a student implies full acceptance of this policy.

STUDENT CONTROL

In 1911–12 the Faculty Committee on Student Affairs and the University Conferences entered into an agreement by which responsibility for the government of the students and for maintaining University standards was assumed by the men and women of the University. This delegation of responsibility, temporarily recalled, for men, in 1918, was resumed in 1919–20, under an agreement between the President and the men of the University.

Under this agreement the responsibility for maintaining University standards among the men students is assumed by the senior class. The Men's Student Council is responsible for the enforcement of University rules governing student conduct, all actions of the Council being submitted directly to the President for sanction or disapproval.

HONOR SYSTEM

In 1921 the Honor System was established by the Academic Council of the University. Under this system, responsibility for honesty in the conduct of examinations rests (1) with each individual student, who is pledged not to receive or give aid in examinations, (2) with the major students of each department, whose duty it is to conserve and strengthen the system within the departments, and (3) with the Student Councils, who have general supervisory control and the power to adopt regulations and deal with infractions of the system in the same manner as other cases of discipline.

UNIVERSITY HEALTH CONTROL

The University exercises an advisory control over student health affairs through the Committee on Public Health.

Every student upon entering the University is required to report for a brief examination. General health and evidence of effective vaccination are the important factors in the examination. Any condition which may place a limitation on the amount or kind of work planned by the student may be discussed with him or made the subject of a report to his major department or to the Committee on Registration.

Students intending to train for any of the athletic teams, or to register for gymnasium work, are required to pass a careful physical examination at the beginning of each quarter.

Examinations at the University have shown that about sixteen per cent of entering men have defective vision of which they are unaware or which has not been corrected. Prospective students are urged to have their eyes examined by competent specialists before entering the University so that weaknesses may be corrected by glasses.

Vaccination

Not later than three weeks after the day of registration every student must file with the Committee on Public Health a certificate, signed by the vaccinator, who must be a duly licensed and practicing physician, giving exact dates of vaccination, and showing acceptable vaccination within seven years.

Noncompliance with these requirements will result in a fine of two dollars after three weeks, an additional fine of four dollars after four weeks, and cancellation of registration after five weeks from the day of registration.

Certificates are to be filed at the Registrar's office. They will be returned upon request. "Conscientious objections" will not be recognized as exempting anyone. Unavoidable delay, or failure to secure a satisfactory certificate, will not exempt anyone from the fine.

(It is advised that candidates comply with this requirement before coming to the University, and that vaccination certificates be sent in advance by mail. Blank certificate forms may be obtained on application to the Secretary of the Public Health Committee, at the Registrar's office.)

DEGREES AND TEACHING CREDENTIALS

DEGREES

CANDIDATES may be presented for graduation in January, April, June, and October.

No degree will be conferred upon any person who has not spent at least three quarters in resident study at the University. No honorary degrees are given.

LOWER DIVISION REQUIREMENTS

The Lower Division consists of the first and second years of the University curriculum. Its object is to introduce the student to fundamental fields of human interest, and to this end it requires the completion of certain studies during the first two years. To the students enrolled in the Lower Division the members of the Committee on Lower Division Administration stand in the same relation as that occupied by departmental advisers toward their major students.

Under the supervision of the Committee on Lower Division Administration, the work of the first two years is made up of group requirements, subject requirements, and electives. These requirements are as follows:

Group Requirements

Eighteen units (nine each year) in each of the following groups: (I) languages and literature (English and foreign), formative art (including graphic art and drawing courses in the engineering departments); (II) natural sciences, mathematics; (III) social sciences (including history, political science, economics, philosophy, and education).

Subject Requirements

Six units in English composition (English 2, three units per quarter for two quarters), to be taken during the second year in the University, and applied on the Group I requirement. (A course in elementary English composition [English A] is also prescribed for first-year undergraduates who do not satisfy the matriculation test.)

Twenty-two units in one foreign language, or *fifteen units* each in two foreign languages. (This requirement may be anticipated, in the high school, in whole or in part, its full equivalent being three entrance units in one foreign language or two entrance units each in two foreign languages.)

Nine units in a biological science, and *nine units* in either Physics or Chemistry, applying on the Group II requirement. (One of the sciences may be anticipated in the high school, its equivalent being one entrance unit in a biological science, or in Physics or Chemistry, or in General Science.)

Nine units in American History and *nine units* in general History, normally taken during the second year to fulfill Group III requirement. (One of the History requirements may be anticipated in the high school, its equivalent being one entrance unit in History.)

Twelve units in Citizenship (four units per quarter), to be taken during the first year in the University. This course fulfills the Group III requirement in the first year.

All undergraduates enrolled in the Lower Division, with the exception of those registered in the Military Department, are required to devote to physical training three schedule hours per week, for a maximum of six quarters.

MAJOR SUBJECT

The selection of a Major Subject will be made ordinarily at the end of the second year, upon completion of the requirements of the Lower Division. The Lower Division student may, however, at the beginning of any quarter, designate the particular department in which he expects later to do his major work, and will then be directed to the department for consultation and advice regarding electives before making up his study-list.

At the beginning of the junior year, and upon completion of the lower-division requirements, the student selects as a Major Subject the work of some one department. The Major Department has the authority to prescribe not more than sixty units in the Major Subject (exclusive of elementary courses in the Major Department which may be offered for entrance). The Major Department shall also recommend such other courses as may be considered desirable, and shall exercise an advisory supervision over the student's curriculum from quarter to quarter. It shall be considered a general principle of University policy, to be departed from only in exceptional cases, that at least ninety of the one hundred and eighty units required for the degree be taken outside of the Major Department.

In applied science the Major Department may prescribe as much of the entire one hundred and eighty units as it shall deem essential to the technical or professional requirements of the Major Subject.

Within these limitations the work in all departments is elective, and the student may freely choose any course which his previous studies have prepared him to undertake.

(A student in regular undergraduate standing who does not intend to become a candidate for the A.B. degree, may choose, with the approval of the Lower Division Committee, or of the Major Department, any course in the University which his previous training has prepared him to undertake.)

BACHELOR OF ARTS

The degree of Bachelor of Arts (A.B.) is conferred upon candidates who have fulfilled the following requirements:

1. The completion of one hundred and eighty (quarter) units of university work, including the required lower-division courses, together with the required physical or military training. (A special student who has completed two hundred and twenty-five units of university work, including all lower-division and major requirements, and whose general university record is deemed proof of superior scholarship, may become a candidate for graduation on approval of the Committee on Admission and Advanced Standing; but ordinarily petitions to this end will not be considered by the Committee until after the student has completed one hundred and eighty units of university work.)

2. The acquirement of as many grade points as there are units registered on the candidate's record card. A unit of credit passed with a grade of A counts three grade points; with a grade of B, two grade points; with a grade of C, one grade point; with a grade of +, one grade point; with a grade of D, no grade points. A condition removed does not count grade

points, no matter what the final grade may be. (Advanced credit for work in other institutions counts one grade point for each unit of credit.)

3. The completion of the major subject requirements as prescribed by the Major Department.

The recommendation of the Major Department is necessary to graduation.

Forty-five units constitute a normal year's work (see p. 120), but the ordinary class divisions (freshman, sophomore, junior, senior) are not recognized by the University. The degree is conferred whenever the requirements are met, without regard to the time spent, except that at least forty-five units (including, except in special cases, the last fifteen) must be completed in this University.

As a recognition of high scholastic attainment the Bachelor's degree may be granted "with distinction" or "with great distinction."

MASTER OF ARTS

The degree of Master of Arts (A.M.) is conferred on graduates of this University, and of other recognized institutions, upon the satisfactory completion of one academic year of graduate work, the presentation of an approved thesis, and the passing of such general or final examination as the Major Department or school may require. A longer period of residence will be necessary for candidates who are inadequately prepared, or who devote less than the normal proportion of time to their studies. In no case will the degree be granted unless the student has been registered for three quarters after completing the requirements for the A.B. degree. The Master's degree is conferred only upon recommendation of the Committee on Graduate Study.

A candidate must file with the Registrar, not later than the third week of the quarter next preceding that in which the degree is to be conferred, an application for candidacy; which shall include a recommendation, from the Major Department or school, of his candidacy for the Master's degree, and a program of study approved by the Major Department or school. The acceptance of this application by the Committee on Graduate Study is necessary for admission to candidacy for the degree. At least two-thirds of a year's work must be devoted to advanced or graduate study in the major subject or in intimately allied subjects. Work may be done in connection with regular courses, or, as research, independently of them. Applications once submitted must be kept on file, and may not be withdrawn even if substitutes are filed and accepted.

The Master's thesis must display the candidate's ability to do independent work. A copy, bearing the approval of the instructor under whose supervision it was prepared, must be submitted to the Committee on Graduate Study by the date on which instruction closes for the quarter in which the degree is to be conferred. This copy shall be the original, not a carbon copy, typed on paper of standard size and weight, with a title-page of the form prescribed by the Committee, and suitably bound. Upon acceptance it will be placed in the University Library.

MASTER OF BUSINESS ADMINISTRATION

The degree of Master of Business Administration will be conferred, upon the recommendation of the Committee on Graduate Study, when the student has satisfied the requirements laid down by the faculty of the Graduate School of Business.

ENGINEER

In the departments of applied science the professional degree of Engineer is conferred on graduates of this University, and of other recognized institutions, upon the satisfactory completion, in residence, of professional study for either one or two years, as the Major Department may require, and upon the presentation of an approved thesis, showing ability to do independent work. Upon the recommendation of the department, and only in order to permit the carrying on of advanced work under conditions not available at the University, the requirement of residence may be waived in part. The degree is conferred only upon the recommendation of the Committee on Graduate Study.

The special regulations for the degree of Master of Arts dealing with registration, program of study, and thesis, as stated above, apply also to candidates for the degree of Engineer.

JURIS DOCTOR

The degree of Juris Doctor (J.D.) is conferred, upon recommendation of the Committee on Graduate Study, on students who have previously received the degree of Bachelor of Arts, or its equivalent, upon the completion of the three years' professional law course.

DOCTOR OF MEDICINE

The degree of Doctor of Medicine (M.D.) is conferred, upon recommendation of the Committee on Graduate Study, on students who complete the five years' curriculum in Medicine (which includes the interne year), based upon the three years' pre-medical course as laid down by the University.

DOCTOR OF PHILOSOPHY

A candidate for the degree of Doctor of Philosophy (Ph.D.) must be a graduate of this University or have had equivalent training. Those who contemplate offering themselves as candidates for this degree are invited to correspond with the instructors in the subjects involved. Before being recommended for the degree, a candidate must show, together with a satisfactory general equipment, high attainment in a particular field of knowledge, and ability to do independent investigation; mere length of residence and courses taken are not the main consideration. A candidate must have satisfactorily completed at least three years of graduate work under the following conditions:

1. At least one year of graduate study, other than the first, must be spent in residence at this University. Candidates must be registered in the University. Within the first quarter after entering upon study for this degree, that is, ordinarily, the first quarter of the second year of graduate study, a candidate must file with the Registrar an application for candidacy; which shall include a recommendation, from the Major Department or school, of his candidacy for the doctor's degree, and a preliminary program of study approved by it. The approval of this application by the Committee on Graduate Study is necessary for admission to candidacy for the degree. Applications once submitted must be kept on file, and may not be withdrawn even if substitutes have been filed and accepted.

2. The program of study will include ordinarily one major subject and one or two minor subjects. The minor subject or subjects will usually represent approximately one-third of the program of study. In cases where a

modification of the formal rule seems desirable to the Major Department or school and to the Committee on Graduate Study, as where the interests of the student's work may be better served by a division of his collateral study among more than two subjects or departments, or where certain courses of study falling within a department may be indicated rather than a full minor of one-third of his time, the minor subject requirement may be waived.

3. Before the primary examination provided for in the next paragraph the candidate must show a reading knowledge of French and German in his special field. The faculty of the department in which the major work is taken determines whether this requirement has been met, and certifies the fact in writing to the Committee on Graduate Study at or before the primary oral examination.

4. At some time within his third quarter of study preceding that in which the degree is to be taken, that is, toward the end of the preceding year, or in any event no later than the first six weeks of his next quarter following, the candidate must pass a primary oral examination approximately three hours in length. The examining committee shall consist of (1) the chairman of the Committee on Graduate Study or his delegate presiding; (2) the professors in the group of departments in which the major subject lies; (3) the professor or professors in charge of the minor subject or subjects, if lying in another group of departments. The five groups of departments are Language and Literature, History and Social Sciences, Biological Sciences, Mathematical and Physical Sciences, Engineering Sciences. The Department of Philosophy, the Department of Education, or the Food Research Institute may for this purpose be designated by the Dean of Graduate Study as a temporary member of any of the five groups. Any member of the Academic Council may attend and take part in the examination. The purpose of the examination is chiefly to investigate the candidate's knowledge of his major and minor subjects, but his general education may also be touched on. For special reasons, and with the approval of the Major Department and of the Graduate Study Committee previously obtained by the student, a small proportion of the field of his major and minor subjects may be excepted from this examination. While the special field in which his dissertation lies may be inquired into, no searching examination into it will be undertaken at this time. A two-thirds majority of the Committee passes the candidate.

5. At least four weeks before the close of the final quarter before the degree is to be conferred, the candidate must deposit a dissertation at the Registrar's office. The dissertation must be the result of independent work, expressed in satisfactory literary form, and must in some way add to or otherwise modify what was previously known on the subject. It must be approved by a special committee appointed by the chairman of the Committee on Graduate Study, consisting of the professor under whom it was written and two others.

6. After the acceptance of the dissertation by the special committee, the candidate shall be given a secondary oral examination of an hour or more, mainly on the special field in which his dissertation lies, and on such other subjects, if any, as may have been excepted from the primary examination. The examining committee, of five members, shall consist of the chairman of the Committee on Graduate Study or his delegate presiding, a professor

selected by the candidate's Major Department, a professor selected by the candidate's Minor Department or departments, if any, and additional members (to make the total of five) appointed by the chairman of the Graduate Study Committee. Three favorable votes are necessary to pass the candidate.

7. Before the degree is conferred, the candidate must deposit at the Registrar's office (1) three typewritten (or printed) copies of his dissertation, one of which will be made available by the University Library for loan to other libraries, and (2) an abstract of its contents between 500 and 2,000 words in length. (The three copies should be typed on paper of standard size and weight, with a title-page of the form prescribed by the Committee, and suitably bound.) The abstracts will be from time to time issued in a volume by the University, and each candidate's estimated share in the expense of printing this volume will be added to his diploma fee. (The deposit required is $25.)

ADVANCED DEGREES IN THE SCHOOL OF MEDICINE

The departments of the School of Medicine are considered as equivalent to other departments of the University in respect to candidacy and requirements for the degrees of Master of Arts and Doctor of Philosophy, and all the foregoing regulations apply to these departments and department faculties as to departments and department faculties at the University, with the following modifications and limitations:

1. Candidates for these degrees must have received the degree of A.B. at Stanford, or an equivalent training elsewhere, and must have the approval of the department faculty in which the degree is sought. The M.D. degree will ordinarily be required as a prerequisite for those wishing to do clinical work.

2. Time spent in candidacy for the degree of Master of Arts or Doctor of Philosophy will not be counted toward the degree of Doctor of Medicine.

TEACHING CREDENTIALS

Teacher's Certificates are issued by County, and City and County Boards of Education under the provisions of Section 1519, subdivision 5 (*a*), Section 1775, subdivision 1 (*a*), and Section 1792 of the Political Code of California. The State Board of Education of California, in accordance with the law, is empowered to issue Teaching Credentials, valid throughout the state, upon which County, and City and County Boards of Education may in turn issue Certificates. This University, through its School of Education, has been empowered to grant Recommendations to students who meet requirements laid down by the State Board of Education for Credentials. The Recommendations, Credentials, and Certificates issued are of seven grades: (1) Elementary, (2) Junior High School, (3) High School, (4) Special, (5) School Administration, (6) School Supervision, and (7) Education of Research and Guidance. Preliminary Certificates (8), valid only for cadet teaching in connection with Education 201, are also granted.

The Certificates, granted on the basis of the State Board of Education Credentials, are valid for teaching, and Recommendations for them may be obtained under the following conditions:

A. THE ELEMENTARY-SCHOOL CERTIFICATE

(Valid for teaching in the eight grades of the elementary schools.)

1. The possession of a Bachelor's degree from this University.

2. The completion of requirements as outlined on page 79 of the *Announcement of the School of Education,* under "Elementary Certificate Course."

3. A course in the Constitution of the United States, 3 units (History 175, 3 units).

[NOTE: This course is not a part of the State Board of Education requirements, and is in addition thereto, having been made mandatory by the legislature of California.]

B. THE JUNIOR HIGH-SCHOOL CERTIFICATE

(Valid for teaching in any junior high-school grades.)

1. The possession of a Bachelor's degree from this University.

2. The completion of 23 quarter units of work in Education, which must include: (*a*) Methods and Management of Instruction, 2 units (Course 199); (*b*) Practice in Teaching, with Conferences, 6 units; (Course 201); (*c*) The Junior High School, 3 units (Course 196); (*d*) California School System and Law, 3 units (Course 155); (*e*) Education for Citizenship, 3 units (Course 160); (*f*) a Teacher's Course in one major or minor subject, maximum 4½ units; and additional work to make up the required units. It is highly desirable that the requirements for the Elementary certificate be completed by every candidate for the Junior High-School credential, that the credential may read "including Elementary," in order that the candidate may teach in the elementary grades as well.

3. The completion of the required work in at least one Teaching-Major and one Teaching-Minor, subjects taught in the high schools, with the exception that where the Major is Education, two Minors are required.

4. A course in the Constitution of the United States (History 175, 3 units).

(Persons who have had at least 17 months of experience in teaching, and who have completed 3½ years of collegiate work in advance of a four-year high-school course, including 13½ quarter units of prescribed work in the Department of Education, may apply directly to the State Board of Education for a Junior High-School Credential, but will not receive the Recommendation of the Stanford School of Education.)

C. THE HIGH-SCHOOL CERTIFICATE

(Valid to teach in the junior colleges, high schools, junior high schools, or elementary schools.)

In all cases the candidate must hold a Bachelor's degree from some institution requiring eight years of high-school and college work for such degree, must satisfactorily complete the required work in at least one Teaching-Major and one Teaching-Minor, with the exception that where the Major is Education two Minors are required, and in addition must complete in this University a varying amount of graduate study, to be determined by the following conditions:

GROUP I: STANDARD GROUP

1. One year of graduate study (at least 39 quarter units of work numbered 100 or over, as lower-division courses will not be counted by the

State Board of Education if taken during the graduate year), which must include not less than 9 quarter units in subjects in which recommendation is sought and not less than 9 quarter units in Education.

2. At least 27 quarter units in Education, including the following courses: (*a*) Methods and Management of Instruction, 2 units (Course 199); (*b*) Practice in teaching, with conferences, 6 units (Course 201); (*c*) Secondary Education, presenting particularly the purpose and attainable goals of high-school work, 3 units (Course 195); (*d*) The work of the Junior High Schools, 3 units (Course 196); (*e*) California School System and Law, 3 units (Course 155); (*f*) Education for Citizenship, 3 units (Course 160); (*g*) A Teacher's Course in at least one subject in which the candidate expects to be recommended for certification, if such course be given in the institution and be accepted or listed under the work in Education (4½ units maximum for all such courses); (*h*) Such other courses relating to the history, theory, function, and administration of public education, as are needed to complete the required 27 units.

3. Candidates who have taught or been engaged in school supervision in this or any other state, and who present credentials showing that they have done so for at least 9 months with reasonable success, may be excused from 6 of the 27 units of Education represented by the practice teaching (201), and may also be excused from or allowed to substitute other work in Education for the course in Methods and Management of Instruction (199). All students desiring such exemption must make application on Form B, to be obtained at the office of the Secretary of the School of Education, Room 52.

4. A course in the Constitution of the United States (History, 175, 3 units).

Group II: Experienced-Teachers' Group

Teachers who have had at least seventeen months of satisfactory experience in elementary or secondary schools, or 1,600 hours of classroom instruction in colleges or universities in this or other states, may be exempted, if their application for such exemption is approved by the School of Education, from as much as one-half of the year of graduate work, and from as much of the required work in Education as their experience seems to warrant, though not to exceed a total of 9 units. (Application for exemption from Education requirements on the basis of teaching experience must also be made on Form B.) In any case all such persons will be expected to meet at least the following requirements:

1. Two quarters (at least 26 quarter units) of graduate study (in upper-division college subjects), which shall include not less than 9 units of advanced or graduate work in subjects in which recommendation is sought and not less than 9 quarter units in Education. Students who can arrange their graduate work so as to be present during the summer quarter may satisfy the residence requirement by one and a half quarters, if other requirements can also be met in this time.

2. At least 18 quarter units of work in Education, including (*a*) Secondary Education, 3 units (Course 195); (*b*) the Junior High School, 3 units (Course 196); (*c*) California School System and Law, 3 units (Course 155); (*d*) Education for Citizenship, 3 units (Course 160); (*e*) a Teacher's Course in at least one subject in which the candidate expects to be recommended for certification, as may be determined

after consideration of the individual case (4½ units maximum for all such courses); (*f*) additional courses as approved to make up the required 18 units.

3. A course in the Constitution of the United States (History 175, 3 units).

D. SPECIAL CERTIFICATES

(See Division IX of the *Announcement of the School of Education.*)

(Valid for teaching only the special subjects in any elementary school, junior or senior high school, or junior college in California.)

A Special Certificate of Secondary grade, authorizing the holder to teach only such branch or branches and in such grades as are named in such certificate, may be granted as follows:

1. To recommended candidates who have had at least four years' instruction beyond that required for graduation from a high school maintaining a four-year course in advance of the eighth grade, or who have had an equivalent amount of training.

2. From 23 to 27 quarter units must have been devoted to the study of Education in courses suited to the training of a secondary-school teacher, at least 6 units of which must have been devoted to practice teaching, and a course must be taken in the methods of instruction in the special subject or subjects, under competent supervision. Ordinarily courses 155, 160, 165, 195, 196, 199, and 201 must be included.

3. The work of all candidates must be approved by the Representative of the Special Subject in the School of Education.

4. Each Special Certificate course requires for recommendation, the possession of an A.B. degree from the University.

E. THE SCHOOL ADMINISTRATION CREDENTIAL

This Credential will be granted to the holders of a valid California Teacher's Certificate, or a California Life Diploma, of elementary, junior-high, or secondary grade, who have had at least 17 months of successful experience in teaching, and who, *in addition* to all requirements for a regular Teacher's Certificate, have completed 22½ quarter units of work in Education, as given in the specific requirements listed below.

The School Administration Certificate authorizes the holder to administer public education and to engage in such supervision as may be properly included in the duties of a superintendent, deputy superintendent, assistant superintendent, principal, general supervisor, or head of a department offering instruction in nonspecial subjects, such as English, mathematics, social science, etc. Superintendents, deputy superintendents, assistant superintendents, principals of schools of more than five teachers (one of whom acts as principal) and vice-principals devoting full time to administrative duties will be required to hold the School Administration Certificate. The grade of Certificate is determined by the grade of Teacher's Certificate held, and will be indicated on the State Credential. The grade of such Credential may be raised without fee when the holder obtains a higher grade of general Teacher's Certificate.

Application for raising the grade of an Administration Credential must be made to the State Board of Education, accompanied by the Administration Credential and the Teacher's Certificate of higher grade.

The following courses have been prescribed by the State Board of Education as the ones that must be taken to meet the requirements for this Credential. After the description of each course, as prescribed, the course offered by this University that will satisfy the requirement is indicated.

1. At least 15 units to be selected from the following courses:
   - *a*) A course in the History of Education in the United States, which will present the problems of present-day education in the light of their historical development. (Course 180, 4 units.).
   - *b*) A course in Educational Tests and Measurements, which will show their use and give some training interpreting the results obtained. (Course 192, 4 units.)
   - *c*) A course in School Administration, dealing with the broad fundamental principles underlying public school administration. (Course 230 or 231, 4–5 units.)
   - *d*) A course in the Growth and Development of the Child. (Course 168, 3 units.)
   - *e*) A course in the Philosophy of Education. (Course 178, 4 units.)

2. At least 7½ additional quarter units, to be selected from the following courses:
   - *a*) Work of an Elementary School Principal. (Course 233, 4 units.)
   - *b*) Administration of a High School, or of a Junior High School. (Course 205, 4–5 units; 208, 2 units.)
   - *c*) The Organization and Supervision of Elementary Education. (Course 242, 4 units.)
   - *d*) The Supervision of Instruction. (Course 202, 1 unit; 242, 4 units.)
   - *e*) Statistical Methods. (Course 190, 4 units; Psychology 60, 5 units.)
   - *f*) School Surveys. (Course 235, 4 units.)
   - *g*) Rural Education. (Course 177, 3 units.)
   - *h*) The Elementary School Curriculum. (Course 240, 4 units.)
   - *i*) The High School Curriculum. (Course 209, 2 units.)
   - *j*) State and County School Administration. (Course 250, 4 units.)
   - *k*) City School Administration. (Course 230, 4 units; 231, 5 units.)
   - *l*) School House Hygiene and Construction. (Course 237, 3 units.)
   - *m*) Methods in Mental Diagnosis. (Course 225, 4 units; 226, 4 units; 170, 3 units; 172, 3½ units.)
   - *n*) The Organization or Administration of Vocational Education. (Course 198, 2 units; 210, 2 units.)

Under the rules of the State Board of Education, equivalents for any of the courses listed above, taken elsewhere, can be accepted only when they were completed in "a collegiate institution of standard grade."

F. SCHOOL SUPERVISION CREDENTIAL

The School Supervision Certificate authorizes the holder to engage in school supervision, in accordance with the class held, viz.:

Class A. General Supervision, authorizing the supervision of all instruction within the grade of the Certificate.

Class B. Special Supervision, authorizing supervision in special field, such as music, art, physical education, etc.

Class C. Departmental Supervision, authorizing the supervision of departmental instruction in a junior college, high school, or junior high school.

Persons devoting at least half time to supervision will be required to hold the School Supervision Certificate. The grade of Certificate is determined by the grade of Teacher's Certificate held in the subject, or subjects, to be supervised, and after January 1, 1925, will be indicated on the State Credential.

This Credential will be granted to the holder of a valid California Teacher's Certificate, or a California Life Diploma, of any regular grade or special type, who has had at least 17 months of successful experience in teaching, including the subjects he wishes to supervise; and who, *in addition* to all requirements for a regular or Special Teacher's Certificate, has completed school supervision subjects in accordance with the class specified:

Class A—General Supervision

a) Fifteen quarter units selected from not less than four of the following courses (School Organization and Supervision, and Growth and Development of the Child required):

(1) School Organization and Supervision. (Course 230 or 231, 4–5 units.)
(2) Growth and Development of the Child. (Course 134, 3 units.)
(3) Philosophy of Education. (Course 178, 4 units.)
(4) History of Education in the United States. (Course 180, 4 units.)
(5) Educational Tests and Measurements. (Course 192, 4 units.)
(6) The Curriculum. (Course 209, 2 units; 240, 4 units.)

b) Seven and one-half quarter units selected from the following group:

(1) Rural Education. (Course 177, 3 units.)
(2) Educational Sociology or Social Aspects of Education. (Course 247, 5 units.)
(3) The Relation of Community Agencies to Public Education. (Course 175, 5 units.)
(4) Problems of Supervision. (Course 203, 3 units; 242, 4 units.)
(5) Modern Practice and Experiment in Education. (Course 192, 4 units.)
(6) Methods in Mental Diagnosis. (Course 225, 4 units; 226, 4 units; 170, 3 units; 172, 2½ units.)
(7) Vocational Guidance. (Course 197, 2 units.)

[Note: The candidate must also verify at least 9 quarter units in each of two subjects selected from the following: music, art, physical education, manual arts, commerce, home-making subjects, and agriculture. These courses need not be in addition to courses presented for the Teacher's Certificate.]

Class B—Special Supervision

a) Six quarter units of work selected from at least two of the following courses (Growth and Development of the Child required):

(1) Growth and Development of the Child. (Course 168, 3 units.)
(2) Philosophy of Education. (Course 178, 4 units.)
(3) History of Education in the United States. (Course 180, 4 units.)
(4) Social Value of the Special Field in which Supervision is to be done.

b) Nine quarter units of work selected from the following group (Organization, Objectives, and Supervision of Instruction in the Special Subject required):

(1) Organization, Objectives, and Supervision of Instruction in Special Subject. (Course 200.)
(2) Tests and Measurements in the Special Subject. (Course 192, 4 units.)
(3) Problems of Supervision. (Course 242, 4 units.)
(4) Vocational Guidance. (Course 197, 2 units.)

Class C—Departmental Supervision

a) Seven and one-half quarter units of work including the following courses (Problems in the Organization and Supervision of a Department, and Educational Measurements required):

(1) Problems in the Organization and Supervision of a Department. (Course 233, 4 units.)
(2) Organization and Supervision of Instruction. (Course 242, 4 units.)
(3) Educational Measurements, including Tests in Special Field, if available. (Course 192, 4 units.)

[Note: Holders of Class "C" Departmental Supervision Credentials may be granted the School Administration Credential upon completion of 15 quarter units of work in school administration subjects as outlined under group (1) of requirements for the Administration Credential.]

G. EDUCATIONAL RESEARCH AND GUIDANCE CREDENTIAL

The State Board has provided for a Research Credential, secondary grade, the details of which are as follows:

Each applicant for an Educational Research and Guidance Credential must verify:

1. That he is a person of good moral character and represents a high type of citizenship.

2. That he holds a Bachelor's degree from a standard college or university, requiring not less than eight years of high-school and college training.

3. That he has completed one full year of postgraduate work, at least one-half of which has been completed in one or more of the institutions whose schools or colleges of education have been accredited by the California State Board of Education, or the equivalent thereof.

4. That he has had at least seventeen months of successful teaching experience.

5. That he has completed not less than 50 semester hours of work, or its equivalent, distributed approximately as follows:

I. Educational Psychology, 22 semester or 33 quarter hours selected from the following:

a) Educational Psychology.
b) Growth and Development of the School Child.
c) Educational Tests and Measurements.
d) Mental Tests.
e) Educational Statistics.

II. Clinical Psychology, 10 semester or 15 quarter hours selected from the following:

a) Psychology of the Abnormal.
b) Mental Deficiency and Delinquency.
c) Psychiatric Case Work or Mental Hygiene.
d) Psychological Clinic.

III. Education and Vocational Guidance, 3 semester or 4½ quarter hours selected from the following:

a) Educational and Vocational Counseling.
b) Industrial Psychology.
c) Personnel Management.

IV. Sociology, 15 semester or 22½ quarter hours selected from the following types of courses:

a) Heredity and Eugenics.
b) Social Case Work.
c) Dependency and Delinquency.
d) Family and Child Welfare.
e) Industrial and Social Economics.
f) State School Administration or City School Administration.
g) Labor Problems and Industrial Relations.

Total: 50 semester or 75 quarter hours.

A limited credential may be granted upon the completion of not less than 25 semester hours, or 37½ quarter hours, of work distributed approximately as above. However, all requirements must be satisfied before a long-term credential will be granted.

At the discretion of the Commission of Credentials, a credential limited to statistical work in an Educational Research Laboratory may be granted upon evidence of satisfactory training or experience in the treatment of statistical data.

An Educational Research and Guidance Credential may be granted, at the discretion of the Commission of Credentials, to applicants who verify five years of successful experience in the field of educational research, whose training and experience approximately fulfills the requirements established for this credential.

H. PRELIMINARY CERTIFICATES

Recommendations for Preliminary Special or Preliminary Regular Elementary, Junior High, or High School Teacher's Certificates, authorizing the holder to do cadet teaching, without salary, in any school, are also granted to those enrolled for Practice in Teaching, Education 201. Application for these is made through the Director of Practice Teaching, Professor Proctor.

APPLICATION FOR A TEACHING CREDENTIAL

When any student has spent the requisite time in study at this University, and has completed the prescribed program of studies in Majors and Minors

for the High School Teacher's Recommendation; or the special course of study required by the School of Education and by the regulations of the state for an Elementary-School, a Junior High-School, or any Special Type of Teacher's Recommendation; such student must make application during the first two weeks of the last quarter of residence at the University, for a Recommendation for the type of Certificate desired, and leave such application with the Secretary of the School of Education, in Room 52.

The Recommendation desired is granted only after the application has been approved by the Committee on Credentials and Degrees of the School of Education, and is then forwarded to the Commission on Credentials of the State Board of Education, at Sacramento. In due course the applicant receives a State Credential from the State Board of Education direct, upon presentation of which to any County Superintendent of Schools in California, together with diploma of graduation or any other required evidence, a Certificate will be issued. This procedure is made necessary by a requirement of the Constitution of California that the actual Teacher's Certificate can be granted only by the counties.

Application blanks for the Administrator's and Supervisor's credentials and other types of credentials may be obtained from the Secretary of the School of Education, but the candidates will send such applications directly to the Commission on Credentials of the State Board of Education.

VOCATIONAL GUIDANCE

The Committee on Vocational Guidance is maintained for the purpose of "disseminating among students the information necessary to make an intelligent choice of a vocation and to arrange a course of study preparatory to entering the vocation chosen." In accordance with this purpose the Committee has prepared a bulletin of Vocational Information dealing with the vocations which university graduates enter, which will be mailed to any address on receipt of twenty-five cents.

The Committee has also arranged general conferences on vocations for women and has provided occasional talks on particular vocations. The University Library maintains a section of books, pamphlets, and bibliographies which are available to students who wish to make a more extended study of vocations. The Appointment Secretary is able to indicate the opportunities for employment in the various vocations.

No vocational counselor is maintained by the University, but the Committee provides individual conferences with students who indicate their wish for such assistance. The chief aim of these conferences is to refer students to the best sources of information available regarding any matters pertaining to vocations.

While a student is expected to choose a vocation before or during his course of study, the University does not attempt to give full training for this vocation. However, it is believed that one who has met the requirements for graduation from a given department and has made a wise selection of special courses, both in the major department and in other departments, will have an excellent foundation for the vocation he has chosen. After graduation it may be necessary to do graduate work in another institution; or to serve as an apprentice; or to take a minor position which may ultimately lead to a permanent vocation.

APPOINTMENT OFFICE

The Appointment Secretary is a member of the President's executive staff, with offices in the Administration Building. The duties of this secretary are briefly as follows:

1. To assist students and graduates of the University to obtain permanent employment or promotion in the kind of work for which they have prepared themselves.
2. To help students of the University who are earning part or all of their own expenses to find suitable part-time employment.
3. To help students, who wish it, to find full-time temporary employment, whether the purpose be merely to earn money or to become more proficient in their chosen field of work.
4. To give inquiring students and graduates as accurate information as possible regarding the actual opportunities presented by the different fields of employment. The investigation which this work involves is an important feature of the Appointment Secretary's duties.

Statistics covering the work accomplished are compiled annually, and copies of these are available for other colleges and universities upon request.

The Appointment Secretary aims to secure and keep on file a complete record of the education, experience, and personal qualifications of each candidate for a permanent position, to be used by prospective employers in determining whether or not the candidate is qualified for the position to be filled. In order that the statements made may be frank and reliable, they are never shown to candidates.

The University reserves the right of refusing to extend its co-operation to candidates who apply for positions for which they are manifestly unfit.

Forms for registration may be obtained of the Appointment Secretary upon request. When asking for forms it is necessary to state whether part-time, temporary, or permanent employment is wanted, and, in the case of permanent employment, whether teaching or some other profession.

Teachers must renew registration annually, preferably in January. Those desiring other kinds of permanent employment should renew their registration the first of every month—particularly the first of September, which is the beginning of the fiscal year. Those seeking part-time or temporary employment must renew registration at the beginning of each quarter. The responsibility of renewing registration is placed upon the candidate.

New students who expect to earn part or all of their expenses at the University should apply to the Appointment Secretary for registration forms as soon as possible after being assured of admission to the University.

Candidates for permanent positions are charged $1.50 at the time of registration. This sum covers the actual cost of collecting records. A small charge is also made for editing, copying, and mailing records. All classes of candidates are charged for telephone and telegraph bills incurred in their behalf. No charge is made for services rendered candidates for part-time or temporary work, and no charge is made for the securing of positions of any kind.

All communications should be addressed to The Appointment Secretary, Stanford University, California.

COURSES OF INSTRUCTION

1925–26

[The asterisk (*) indicates that the course is repeated for the quarter named; otherwise courses announced for more than one quarter are continuous. Courses numbered from 1 to 99 inclusive are primarily for lower-division undergraduates; from 100 to 199 inclusive, for upper-division undergraduates; from 200 to 299 inclusive, for graduate students.]

ANATOMY

ARTHUR WILLIAM MEYER, CHARLES HASKELL DANFORTH, FRANK MACE McFARLAND, Professors
CLARA S. STOLTENBERG, Associate Professor
EARL THERON ENGLE, Instructor
SOPHIE DE ABERLE, HERLWYN R. GREEN, Assistants in Instruction

REQUIRED COURSES

101. General Histology and Microscopic Anatomy.—A course dealing with the elementary structure and vital activities of the animal cell, the histology and development of the tissues, and their combination into the organs of the Vertebrates, with especial reference to the Mammalia. Elementary histological technique is taught during the course. Open to medical students, and to others properly prepared, so far as laboratory space permits.
4 units, autumn and winter quarters (McFARLAND, ENGLE) Lec. by arrangement; Lab. (autumn) WThF 1:20–4:05; (winter) MT 9–12, W 1:20–4:05
Autumn, 43; winter, 46

102. Osteology.—Students will be expected to familiarize themselves thoroughly, on their own initiative, with the surface anatomy of the bones of the skeleton. This individual work will be supplemented by the laboratory study of special aspects of the subject under the supervision of instructors. Not given as a separate course, but in connection with Course 103. Students should, however, enroll separately for this work, to which 3 units of credit are assigned.
3 units, autumn quarter (MEYER, DANFORTH)
Autumn, 46

103. Dissection of the Human Body.
17 units (DANFORTH, MEYER, GREEN) Lab. (autumn) MW 8–12, TThF 9–12; *Autumn, 47; winter, 47; spring, 46* [(winter) WThFS 9–12; (spring) MTWThF 8–12

206. Neurology.—A study of the structure of the central nervous system of man by means of dissections and prepared slides, supplemented by dissections of the central nervous system of other mammals.
5 units, autumn and winter quarters (STOLTENBERG, ———)
Autumn, 48; winter, 4 Lec. W 8; Lab. MF 8–11, W 9–12

OPTIONAL AND ADVANCED COURSES

106. Human Heredity.—A study of the facts and problems of heredity in relation to the individual and the population as a whole. Demonstrative

experiments in mammalian genetics. Elective for medical students, others by permission.
2 units, autumn quarter (DANFORTH) TTh 8
Autumn, 14

107. Cytology.—The course deals with the structure and functions of the animal cell with special reference to the reproductive processes. Lectures, laboratory work, and assigned reading. Open to those who have had courses in Histology, Embryology, and Microscopic Technique.
3 to 5 units, spring quarter (MCFARLAND) [Not given in 1925–26]

108. Special Courses.—Advanced courses in Histology, Histogenesis, Microscopic Anatomy, Cytology, or Microscopic Technique will be planned to suit the needs of individual students. Open to those who have had courses in Histology and Embryology.
2 to 5 units (MCFARLAND) [Not given in 1925–26]

110. Anatomy of the Sense Organs.—A study of the sense organs by means of dissections and prepared slides, supplemented by models and prepared dissections.
2 to 4 units, winter quarter (STOLTENBERG) By arrangement
Winter, 3

111. Physical Anthropology.—Practical instruction in anthropometric methods, and lectures on anatomical variation and heredity in man.
2 units (DANFORTH) [Not given in 1925–26]

112. Mammalian and Human Embryology.—A course designed especially for pre-medical students. It will include a study of early development in the mouse with special reference to human embryology and the commoner human deformities. Among the topics discussed will be spermatogenesis, oögenesis, œstrus, fertilization, maturation, implantation, placentation, membrane formation, etc.
5 units, spring quarter (DE ABERLE, ENGLE, MEYER) MTWThF 1:05–4:05
Spring, 32

209. Topographical Anatomy.—The work consists of the laboratory study of frozen sections of fetal, infantile, and adult cadavers made in various planes, and of dissected and specially injected preparations, supplemented by models and atlases.
2 to 5 units (MEYER) By arrangement
Autumn, 7

213. Investigation and Special Work.—The facilities of the laboratory are always at the disposal of properly qualified students or physicians who desire to undertake the investigation of some problem in gross or microscopic anatomy or in embryology. This work must be arranged for individually, but may be started at any time.
Autumn, 1; spring, 2 By arrangement

214. Conferences in Anatomy.—Special topics are assigned for discussion two to three hours weekly. Prerequisites: Courses 101, 102, and 103.
2 to 3 units (MEYER) By arrangement
Autumn, 1

Requirements for Advanced Degrees.—In addition to the requirements published in the University *Register* and the *Announcement of the School of Medicine,* students desiring to be admitted to candidacy for the degree of Master of Arts in Anatomy must have satisfactorily completed one year's work in Histology and Microscopic Anatomy, at least one quarter of Embryology, and possess a knowledge of laboratory technique adequate for the investigation to be undertaken. For admission to candidacy for the degree

of Doctor of Philosophy a reading knowledge of both French and German is further required.

Deposit Fees.—A deposit of $2.50 for microscopes and of $10 to cover damage to or loss of bones, is required of all students registering in gross and in microscopic anatomy. This sum, less charges for damage or loss, is refunded at the close of the academic year, except in the case of students discontinuing work. These may obtain the refund at the end of the quarter. Students who are not registering in medicine are charged a fee of $15 per quarter for Course 103, and $5 for each of the other laboratory courses.

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

WILFRED HAMILTON MANWARING, Professor
EDWIN WILLIAM SCHULTZ, Associate Professor
JOHN EDWARD BLAIR, Instructor

1. General Bacteriology.—This course covers a variety of nonpathogenic forms, including those related to the fertility of the soil and to the dairy and other industries, as well as pathogenic forms concerned in human, animal, and plant diseases. The course is open to Lower Division students who have had General Biology and General Chemistry.
5 units, winter and *summer quarters (BLAIR) Lec. MWF 1; Lab. MWF 2–4
Winter, 9; summer, 5

102. Sanitary Bacteriology.—A study of the more important pathogenic bacteria, with special reference to sanitation and preventive medicine. A considerable portion of the course is devoted to the examination of water and milk supplies and to the bacteriology and mycology of foods. Open to nonmedical students who have had General Biology and General Chemistry.
5 units, spring quarter (BLAIR) Lec. MWF 1; Lab. MWF 2–4
Spring, 12

103. Media, Stains, Reagents.—A course in the technique of preparation of media, stains, and reagents.
2 units, autumn quarter (BLAIR) By arrangement
Autumn, 4

201. Medical Bacteriology.—A course devoted chiefly to the pathogenic bacteria, with emphasis on the laboratory procedures employed in the diagnosis of bacterial infections. Prerequisites: Chemistry 127, Physiology 103, Zoölogy 104, or equivalents.
9 units, autumn quarter (SCHULTZ, BLAIR) Lec. MTWThF 1; Lab. MTWThF 2–4
Autumn, 66

203. Principles of Immunity.—Introductory lectures on immunity and serologic methods. Must be preceded or accompanied by Course 201.
2 units, autumn quarter (BLAIR) MT 8
Autumn, 10

204. Serology.—A laboratory study of antitoxins, bacteriolysins, hemolysins, agglutinins, precipitins, opsonins, complement deviation, anaphylaxis, etc. Must be preceded or accompanied by Course 203.
5 units, autumn quarter (SCHULTZ) [Not given in 1925–26]

209. Journal Club.—A study of current literature in bacteriology and immunology, with weekly conferences.
2 units, any quarter (DEPARTMENT STAFF) F 4
Autumn, 8; winter, 2; spring, 2; summer, 2

210. Research.—Qualified students may begin research at any time. The student must present at least the equivalent of Course 201.
5 to 10 units, any quarter (MANWARING, SCHULTZ, BLAIR) By arrangement
Autumn, 11 (2 groups); winter, 12 (2 groups); spring, 8 (3 groups); summer, 5 (2 groups)

Fees.—Courses 201, 204, $20 each; Courses 1, 102, $5 each.

Lower Division Prerequisites.—The completion of the following Lower Division courses, or their equivalents: Physics 1, 2, 3, 20; Chemistry 7, 9 (or 1, 2, 3), 4, 20; Zoölogy 1 (or General Biology 1, 2, 3), 104; Bacteriology 1; reading knowledge of German or French.

Recommended Departmental Curriculum.—Third year: Chemistry 127, 141, 142, 143, 144; Physiology 103; Bacteriology 102; Anatomy 101. Fourth year: Bacteriology 201, 203, 204, 209, 210; Chemistry 121, 123, or equivalents.

Advanced Degrees.—Applicants for the degree of Master of Arts in Bacteriology and Experimental Pathology will be expected to complete, in addition to the requirements for the Bachelor's degree, the equivalent of forty-five units' work in the University, of which approximately two-thirds must be in the department. The department work will include a thesis based on laboratory work, and Courses 201, 203, 204, and 209, if not included in the undergraduate work.

Candidates for the degree of Doctor of Philosophy in Bacteriology and Experimental Pathology, after the completion of the equivalent of the requirements for the degree of Master of Arts, will follow such courses as are approved by the department, subject to general University regulations.

BIBLICAL HISTORY AND LITERATURE

DAVID CHARLES GARDNER, Chaplain
HENRY RUSHTON FAIRCLOUGH, AUGUSTUS TABER MURRAY (Classical Literature), HENRY DAVID GRAY (English)

[**New Testament Literature.**—See Classical Literature C36.]

[**English Bible.**—See English 24.]

3. The Background of Christianity.—A study of the development of the religious beliefs and ethical ideals of the Old Testament.
2 units, autumn, *winter, and *spring quarters (GARDNER) TTh 11
Autumn, 58; winter, 35; spring, 43

4. The Life of Christ.—A study of the main facts of the life of Jesus as found in the four Gospels, with such references to the political, social, and religious environment as are necessary to make His life and teaching intelligible.
2 units, winter quarter (GARDNER) [Not given in 1925–26]

5. The Ethics of Christ.—An analysis of the principles of Christian ethics as disclosed in the Gospels, and the application of Christ's teaching to modern life.
2 units, spring quarter (GARDNER) [Not given in 1925–26]

BIOLOGICAL SCIENCES

SCHOOL OF BIOLOGY

Carl Lucas Alsberg, †John E. Blair, Charles Haskell Danforth, Walter Kenrick Fisher, Ernest Gale Martin (Chairman), Walter Richard Miles, James Perrin Smith, John Otterbein Snyder, Robert Eckles Swain, Executive Committee

The School of Biology includes the following departments or subjects within departments: Anatomy, Bacteriology and Experimental Pathology, Biochemistry, Botany, Food Research, Hopkins Marine Station, Paleontology, Physiology, Psychology, and Zoölogy. (Courses in Anatomy, Bacteriology, Biochemistry, Food Research, Paleontology, and Psychology are listed under separate headings.) Programs are offered leading to the degrees of Bachelor of Arts, Master of Arts, and Doctor of Philosophy in Biology. These are supplementary to the programs offered by the various individual departments of the school.

The requirements for the A.B. degree in Biology are as follows: Sixty units of work in the Biological Sciences, so chosen that there shall be fifteen units from each of three departments of the school. Provision is made for modifying the fifteen-unit departmental requirement to the effect that upon completion of ten units in any department the student may substitute work in another department upon securing the consent of both deparments concerned and of his adviser in the school. The general program must be properly approved. Students are urged to include a summer or other quarter of work at the Hopkins Marine Station. One or more college courses in mathematics will be found helpful.

Candidates for the degrees of Master of Arts and Doctor of Philosophy in Biology must fulfill the conditions outlined in the *Graduate Study Bulletin,* including the completion of a program of advanced study in Biological Science which has been submitted to, and approved by, the Executive Committee of the School of Biology at the time of registration for the degree.

GENERAL BIOLOGY

The courses in General Biology are under an Administrative Committee consisting of Professors Burlingame (Executive Director), Heath, E. G. Martin, and Peirce.

These courses attempt to present to beginners by means of lectures, illustrations, demonstrations, and laboratory exercises the fundamentals of Biology in its broadest sense. They include a study of: (1) Protoplasm, the common living substance of all plants and animals; (2) The organization of cells and their combination into multicellular organisms; (3) The rôle of green plants in the manufacture of foods; (4) The transformation of foods into the living substance of plants and animals; (5) The liberation and utilization of the chemical energy of foods, chiefly by animals; (6) The sensitivity of protoplasm and its rôle in correlating the internal processes of the organism on the one hand and relating and adjusting it to its en-

† Acting.

vironment on the other; (7) Disease and death of organisms; (8) The enrichment of the soil through the decomposition of organic remains and nitrogen fixation; (9) The perpetuation of the species through reproduction; (10) The laws and mechanism of heredity; (11) Evolution and adaptation of organisms; (12) The factors controlling the ecological and geographical distribution of organisms; and (13) Man's place in nature.

In the laboratory course representative one-celled and many-celled plants and animals are studied with special emphasis on the nature and organization of protoplasm. The organism is examined in its character of chemical machine, synthesizing complex compounds, as in green plants, and decomposing them with liberation of energy, as in animals. Finally the relations of living things to their non-living environment and to each other are considered.

No prerequisites, and required of all Lower Division students who do not present a high-school equivalent or elect an equal amount of work in one of the biological departments. (See requirements in Biological Sciences, p. 127.) Nine units as follows:

1. General Biology.—Lectures.
3 units, autumn and *winter quarters (Burlingame, Doane, Heath, Martin, Peirce, Taylor, Wilbur) (autumn) MWF 8; (winter) TThS 8
Autumn, 264; winter, 193

2. General Biology.—Laboratory.
3 units, autumn, *winter, and *spring quarters (Vestal, Shaw, and Assistants) MWF 1–4, or TTh 1–4 and S 8–11
Autumn, 128 (2 sections); winter, 179 (2 sections); spring, 91

3. General Biology.—Lectures.
3 units, winter and *spring quarters (Abrams, Burlingame, Danforth, Heath, Martin, Shaw, Taylor, Vestal, Wilbur) MWF 8
Winter, 198; spring, 211

BIOLOGY

Laurence Becking, Leonas Lancelot Burlingame, Professors
Charles Vincent Taylor, Associate Professor
Arthur Gibson Vestal, Assistant Professor
Dorothy Burgess, Howard C. Day, Janet Quentin Plowe, William T. Shaw, Assistants in Instruction

100. Cytology and Technique.—1. Lectures on the structures and functions of the cell, with special reference to the mechanism of inheritance and the practical consequences thereof in plant breeding. 2. Laboratory exercises in (*a*) histological and cytological technique (killing and fixing, embedding, sectioning, staining, etc.), (*b*) study of selected slides illustrating the lecture topics, mitosis, gametogenesis, sporogenesis, etc.
5 units, autumn, winter, and spring quarters (Burlingame) By arrangement
Autumn, 2; winter, 3; spring, 2

101. Economic Botany.—A general survey of the subject, chiefly dealing with the more general aspects of a technical study of plant foodstuffs, fibers, wood, drugs, dyes, poisons, spices, resin, rubber, etc. The laboratory work includes some standard methods of microscopical and microchemical analysis of economic plant products. Prerequisites: 9 units of chemistry and one laboratory course in biology.
5 units, winter quarter (Becking) [Not given in 1925–26]

102. Elementary Limnology.—Designed especially for sanitary engineers, health officers, physicians, and biochemists. Regular methods of plankton analysis, determination of the significant properties of water in relation to plants and animals, visits to ponds, water supplies, etc. Whipple's *Microscopy of Drinking Water* will be used as a guide. One lecture, one laboratory period, one field trip each week.
3 units, winter quarter (BECKING) Th 8–11; W 1–5
Winter, 11

103. Ecology: Environmental Relations.—Lectures on aspects of general ecology: (1) The environment, physical factors, natural habitats; (2) Environmental characters of the organism (adaptations) in structure, physiology, behavior, and life history; (3) Relations to other organisms, antagonistic, symbiotic, and social; (4) Communities of organisms, and their development; (5) Distribution of species and of communities. Illustrative laboratory and field work, with individual study of a local community or group.
5 units, spring quarter (VESTAL) Lec. TTh 11; Lab. and Field TTh 1–5
Spring, 5

150. Genetics.—Lectures on inheritance in plants, animals, and man. Prerequisites: Botany 1, Zoölogy 1, General Biology, or equivalents.
3 units, spring quarter (BURLINGAME) MWF 10
Spring, 14

151. Plant Breeding.—Garden and laboratory work illustrative of the principles and practices underlying modern practice in the propagation and improvement of plants. Prerequisites: Botany 1, Zoölogy 1 or General Biology, Botany 150, or equivalents.
2 units, spring quarter (BURLINGAME)
Spring, 5

152. Problems in Genetics and Plant Breeding.—This course offers an opportunity to continue advanced work along the lines of Course 151.
Any quarter (BURLINGAME) [Not given in 1925–26]

160. The Biology of Protoplasm.—An account of the fundamental architecture (structure) of protoplasm, its elementary physical, chemical, and physiological properties, and the differentiation of its diverse structures having specific functions. Laboratory work includes microscopic studies of living material chiefly Protozoa, with the aid of improved micromanipulation methods. Prerequisites: one year of college physics, chemistry, and biology, or their equivalents.
4 units, winter quarter (TAYLOR) By arrangement
Winter, 14

201. Economic Botany: Special Problems.—To meet the requirements of the individual student who wants to carry out advanced work in this line as a major in Botany. Chemistry, Economics, or Civil Engineering (lumber).
(BECKING) [Not given in 1925–26]

202. Physiology of the Cell.
5 units, autumn and spring quarters (BECKING) By arrangement
Autumn, 3; spring, 4

203. Ecology: Special Problems.—Research in ecological relations of local plant or animal communities, or of particular groups of organisms.
Any quarter (VESTAL) By arrangement
Autumn, 1; winter, 1

240. Research.
3 units, spring quarter (BECKING) By arrangement
Spring, 4

250. Research in Cytology and Genetics.—For students who wish to undertake original work in genetics or cytology. Prerequisites are an adequate training in general botany and such special courses as the nature of the work makes necessary.

Any quarter (BURLINGAME) By arrangement
Autumn, 2; winter, 3; spring, 4

BOTANY

DOUGLAS HOUGHTON CAMPBELL, Professor Emeritus
GEORGE JAMES PEIRCE, LEROY ABRAMS, GILBERT MORGAN SMITH, Professors
JAMES IRA WILSON MCMURPHY, Assistant Professor
SAMUEL BONSALL PARISH, Lecturer on California Botany
(With the co-operation of PROFESSORS BECKING and BURLINGAME and ASSISTANT PROFESSOR VESTAL, of the Division of Biology.)

The Department of Botany aims to provide instruction for two classes of students: (*a*) Students who wish to know something of the structures, life processes, relationships, and uses of plants, and to gain some familiarity with the methods of scientific work; and (*b*) Professional students who look forward to investigation, teaching, or the technical applications of Botany in Plant Breeding, Forestry, Agriculture, Horticulture, Plant Pathology, Sanitation, and Public Health. Courses 100 and 101, which present the elements of the more important divisions of botanical study, are designed to meet the needs of both groups of students. Courses 110, 111, 112, 113, 120, 121, 130, 141, 142, 150, 151, 160, and 161 are open to students who have had Courses 100 and 101, or the equivalent. It is the aim of these courses to give the student, by means of lectures and references to the literature, a general and summary account of the present state of knowledge, and in the laboratory and the field to afford him an opportunity for a personal acquaintance with plants themselves. Students who have had two or more years' work may, after consultation, be registered in Courses 114, 122, 131, 142, 152, 201. The resources of the department afford exceptional opportunity for investigation in a number of fields. Properly qualified students desiring to undertake such investigation should register in Courses 210, 220, 230, 240, and 250, after consultation with the instructor concerned.

Major students in the department will be expected to complete sixty units in the department, and five units in Zoölogy. The sixty units should include Courses 100, 101, 110 or 111, 120 or 121, 130, 140 or 141.

The Teacher's Recommendation.—The Teacher's Recommendation in the University is based on the satisfactory completion of a minimum of two majors, or one major and two minors. A minor in Botany consists of Elementary Botany (Courses 100, 101) and one advanced course, chosen from the following: 110 or 111, 120, 130, 140, and 141. A major must include the following: Elementary Botany (100, 101), General Fungi (120), General Morphology (110 or 111), Systematic Botany (130), Physiology (140 or 141), a total of 35 units.

Students looking to Forestry or Agriculture as a profession should include Courses 120, 130, 140, 141, and 160 as part of their preparation, and the following subjects in other departments: Elementary Physics, Chemistry, Geology and Physiography, Zoölogy, Entomology, Economics, and Applied Mathematics. They should also be able to read French and German.

Fees are charged in the various courses approximately sufficient to cover the cost of the perishable materials and syllabus used, as follows: Courses 100, 101, 110, 111, 114, 122, 131, 151, 152, 160, 201, and 250, $3.00 each; Courses 120, 121, 140, 141, and 142, $5.00 each; 150, $1.00.

[**General Biology.**—See pp. 146–147.]

100. Elementary Botany: Morphology.—This course is designed to present a comprehensive view of the entire plant kingdom from the lowest to the highest. Prerequisites: General Biology 1, 2, and 3.

3 units, autumn, winter, and summer quarters (Smith, McMurphy, and Assistants) MWF 1:05–3:45

Autumn, 19; winter, 19; summer, 26

101. Systematic and Field Botany.—An elementary course dealing with the classification and ecology of the flowering plants. Weekly excursions will be made to points of botanical interest, where life conditions will be observed and material obtained for further study and classification in the laboratory.

3 units, spring quarter (Abrams, Peirce) Lec. W 1:05; Field and Lab. MT or ThF 1:05–3:45

Spring, 13

110. Fresh-Water Algæ.—Lectures, readings, and laboratory work on the morphology and classification of Blue-Green and Green Algæ. Prerequisite: Course 100.

5 units, winter quarter (Smith) MTWThF 1:05

Winter, 5

111. Marine Algæ.—Lectures, readings, and laboratory work on the morphology and classification of the Brown and Red Algæ. This course is a continuation of Course 110, but may be taken independently. Prerequisite: Course 100.

5 units, summer quarter (Smith) MWF afternoon

Summer, 9

112. Bryophytes.—Lectures and laboratory work on the special morphology and classification of the Bryophytes (Mosses). Prerequisite: Course 100.

5 units, winter quarter [Not given in 1925–26]

113. Pteridophytes.—Lectures and laboratory work on the special morphology and classification of Pteridophytes (Ferns, Horsetail, Clubmosses). This course is a continuation of Course 112. Prerequisites: Courses 100 and 112.

5 units, spring quarter [Not given in 1925–26]

114. Advanced Algæ.—This course offers opportunity for individual students to continue (along lines of special interest) the work begun in Course 110 or 111. Prerequisites: Course 100 and Course 110 or 111 or equivalents.

(Smith) [Not given in 1925–26]

120. General Fungi.—Lectures and laboratory work on the morphology and classification of Fungi. Prerequisite: Course 100.

5 units, winter quarter (McMurphy) MTWThF 1:05

Winter, 13

121. Plant Pathology.—Lectures, laboratory, and field work on fungous and other plant diseases. Open only to students who have had Course 120 or its equivalent.

5 units, spring quarter (McMurphy) Lec.-Lab. MTWThF 1:05–3:45

Spring, 10

122. Advanced Plant Pathology.—Field and laboratory work on special diseases.
(McMURPHY) By arrangement
Summer, 2

130. Geographical Distribution and Forest Botany.—Study of the trees and shrubs, and the principles of geographical distribution which they illustrate. The laboratory work will be supplemented by work in the field and in the Arboretum. Prerequisite: Course 101 or its equivalent.
5 units, autumn quarter (ABRAMS, ———)
Autumn, 9 Lec. W 1:30; Lab. and Field Work MTThF 1:30–4

131. Advanced Systematic Botany.—Special problems in taxonomy and geographical distribution, with reference to methods of investigation. This course is intended primarily as preliminary training for research work in systematic botany.
(ABRAMS, McMURPHY) By arrangement
Autumn, 1; spring, 3; summer, 2

140. Experimental Plant Physiology.—The production and use of foods. Lectures, laboratory work, and reading. Knowledge of the elements of physics and chemistry is essential.
5 units, autumn quarter (PEIRCE) Lec. TTh 9; Lab. MWF 8–10
Autumn, 11

141. Experimental Plant Physiology.—Lectures, laboratory work, and reading. Knowledge of the elements of physics and chemistry is essential.
5 units, winter quarter (PEIRCE) Lec. TTh 9; Lab. MWF 8–10
Winter, 8

142. Advanced Physiology.—Lectures, laboratory work, and reading. Continuation of Courses 140, 141, or their equivalents.
(PEIRCE) By arrangement
Autumn, 1; winter, 1; spring, 9

150. Genetics.
3 units, spring quarter (BURLINGAME) [Not given in 1925–26]

151. Plant Breeding.
2 units, spring quarter (BURLINGAME) [Not given in 1925–26]

152. Advanced Genetics.
Autumn quarter (BURLINGAME) By arrangement
Autumn, 1

153. Problems in Genetics and Plant Breeding.
Any quarter (BURLINGAME) [Not given in 1925–26]

160. Cytology and Technique.—[See Biology 100.]
5 units, autumn, winter, and spring quarters (BURLINGAME) By arrangement
Autumn, 2; winter, 3; spring, 2

161. Economic Botany.—A general survey of the subject, chiefly dealing with the more general aspects of a technical study of plant foodstuffs, fibers, wood, drugs, dyes, poisons, spices, resin, rubber, etc. The laboratory work includes some standard methods of microscopical and microchemical analysis of economic plant products. Prerequisites: 9 units of Chemistry and one laboratory course in Biology. [See Biology 101.]
5 units, winter quarter (BECKING) [Not given in 1925–26]

162. Elementary Limnology.—Designed especially for sanitary engineers, health officers, physicians, and biochemists. Regular methods of plankton analysis, determination of the significant properties of water in relation to plants and animals, visits to ponds, water supplies, etc. Whipple's *Micro-*

scopy of Drinking Water will be used as a guide. One lecture, one laboratory period, one field trip each week. [See Biology 102.]
3 units, winter quarter (PEIRCE, BECKING) TTh 8–11; W 1–4
Winter, 11

163. Ecology: Environmental Relations.—[See Biology 103.]
5 units, spring quarter (VESTAL) Lec. TTh 11; Lab. and Field TTh 1–5
Spring, 5

201. Economic Botany: Special Problems.—To meet the requirements of the individual student who wants to carry out advanced work in this line as a major in Botany, Chemistry, Economics, or Civil Engineering (lumber).
(BECKING) [Not given in 1925–26]

202. Physiology of the Cell.
5 units, autumn quarter (BECKING) By arrangement
Autumn, 3

210. Research in Morphology.—Students desiring to do original investigation in morphology must have had adequate training in the appropriate courses in special morphology or their equivalents.
(SMITH) [Not given in 1925–26]

220. Research in Plant Pathology.
(MCMURPHY) By arrangement
Winter, 1; spring, 2; summer, 3

230. Research in Taxonomy and Geographical Distribution.
(ABRAMS) [Not given in 1925–26]

240. Research in Physiology.
(PEIRCE, MCMURPHY) By arrangement
Autumn, 1; summer, 1

250. Research in Cytology and Genetics.—[See Biology 250.]
(BURLINGAME) By arrangement
Autumn, 2; winter, 3; spring, 4

SUMMER QUARTERS

In 1927, and during each summer quarter thereafter, it is expected that work will be offered at the Hopkins Marine Station on the Algae, both of fresh and salt water; and either at the Hopkins Marine Station or at the University, or at both places, the following courses:

Taxonomy of Seed Plants
The Physiology of Plants (if at the Hopkins Marine Station, with especial reference to aquatics)
Research in Morphology and Physiology

HOPKINS MARINE STATION

WALTER KENRICK FISHER, Director
CHARLES VINCENT TAYLOR, Associate Director
HAROLD HEATH, FRANK MACE MCFARLAND, GILBERT MORGAN SMITH, Professors
ARTHUR RUSSELL MOORE (Rutgers University), Acting Professor (Summer Quarter)
CHARLES HENRY O'DONOGHUE (University of Manitoba), Acting Professor (Spring and Summer Quarters)
FRANK WALTER WEYMOUTH, Associate Professor

ROBERT CUNNINGHAM MILLER (University of Washington), Acting Assistant Professor (Summer Quarter)
TAGE SKOGSBERG, Acting Instructor (Summer Quarter)

The Hopkins Marine Station is situated at Pacific Grove, on the south side of Monterey Bay, California. The ground area comprises seven and a half acres, consisting of the main portion of Cabrillo Point, with complete control of the coast line of the Point and including an excellent sheltered landing place and harbor for boats.

The present building, erected in 1917, is of reinforced concrete construction, approximately forty feet by eighty-three feet, and three stories in height. The first floor provides a physiological laboratory, containing a large floor aquarium and a table for small aquaria; a concrete-floored room for the storage of boats, collecting apparatus, etc.; a storeroom, furnace room, photographic darkroom, and two research rooms.

The second floor, into which the main entrance opens, is devoted to the three large general laboratories. Two private laboratories for instructors are also provided on this floor. The third floor contains a large library, with a generous fireplace, an adjoining instrument room, an advanced laboratory, and seven private laboratories for investigators. Fresh and salt water are provided in each laboratory, the sea water being pumped to a concrete tank upon the roof, whence it is distributed to the various aquarium tables. Heating is provided by a hot-air system, and electric lights and gas are installed. From the third floor a stairway gives access to the flat, parapeted roof.

There are thus five laboratories available for classes and eleven private laboratories for investigators.

The Station fulfills a twofold purpose: first, it provides for research in biology; second, it furnishes, under exceptional natural advantages, elementary and advanced instruction in biology.

The Station is open the entire year. Investigators and special students can be accommodated at any time. Regular classes are scheduled for the spring and summer quarters only.

ADMISSION AND FEE

Candidates for admission should make application to the Director, Hopkins Marine Station, Pacific Grove. The application should state whether first-year, advanced, or graduate standing is desired, and in which of the following classes the candidate expects to register:

Class A. Special workers not expecting formal credit and not candidates for degrees.

Class B. Assigned students from institutions which have agreed to accept work completed at the Station in fulfillment of their requirements.

Class C. Fully matriculated students in Stanford University.

(For detailed information regarding procedure and credentials necessary for admission, see the *Announcement of the Hopkins Marine Station.*)

A General Fee of $75 per quarter is payable by all undergraduate students taking regular courses or pursuing special work, and a similar fee of $50 is payable by all graduate students. Owing to limited laboratory space, reservation should be made in advance by payment of $10 of the General Fee. The balance will be payable on registration day at the Station.

Late registration will be permitted only with the approval of the Director and of the instructors concerned.

Students will not be accepted for half-quarter registration in any except graduate courses.

SCHEDULE AND HOURS

The regular five-unit laboratory courses are scheduled for three half-days per week, an average of twelve hours per week being required. *Saturday is not a holiday.* Owing to the use of the six-day week and to facilities for intensive work, the quarters at Hopkins Marine Station are shorter than at Stanford University.

COURSES OF INSTRUCTION

9. Elementary Physiology of Marine Organisms.—In this course each student will undertake, under guidance of an instructor, to solve by his own efforts one or more simple problems in the physiology of marine organisms, either plant or animal. The problems assigned will not require an extensive background of knowledge, although elementary chemistry and elementary biology will be found helpful. Frequent informal conferences will be held, at which individual students will report their findings to the entire class; and members of the instructing staff will discuss the reports with the class in such a way as to emphasize the physiological principles involved. An effort will be made to distribute the problems over a wide enough field so that the reports and discussions will furnish a general survey of physiology.

A partial list of general headings under which assigned problems will fall is as follows:

Photosynthesis in marine plants
Environmental conditions suitable to marine plant life
Responses of marine plants to stimulation
Motion in sea anemones, in starfish, in molluscs, in crustacea, in fishes
Responses of marine animals to stimulation (tropisms)
Environmental conditions suitable to marine animal life
Digestion and circulation in marine organisms
Respiratory interchanges in marine forms

Concurrent registration in Course 100*b* is required of all students who are without some biological training. Textbook: *General Biology*, Burlingame, Heath, Martin, Peirce. Limited to eight students.

5 units, summer quarter (Weymouth, Moore) MWF afternoon
Summer, 7

100a. Marine Zoölogy.—An introduction to the principles of general zoölogy as these are illustrated by the animals of Monterey Bay.

5 units, spring quarter (McFarland) Three forenoons per week
Spring, 11

100b. Marine Zoölogy.—The object of this course is to give the student the widest possible acquaintance with the animals which live along shore and in the plankton of Monterey Bay. The prescribed work will also include a study of the associations of animals, their distribution, and something of their behavior, or simple reactions. May be undertaken by beginning students and is designed to follow a course in General Biology. Limited to twenty students.

5 units, summer quarter (Miller, Skogsberg) MWF forenoon
Summer, 12

101a. Marine Invertebrates.—An advanced course dealing with anatomy, classification, and development in certain groups of marine invertebrates. Continued during summer quarter as Course 101*b*; credit given for either course alone. Open only to students who have had practice in dissection and laboratory methods. See Course 101*b*, summer quarter.

5 units, spring quarter (FISHER) Three forenoons per week
Spring, 5

101b. Marine Invertebrates.—Same as Course 101*a*, spring quarter, but covering a different set of phyla. The two courses, 101*a* and 101*b*, are arranged to include all the larger groups of marine invertebrates. Either course may be taken without the other. Limited to twelve students.

5 units, summer quarter (FISHER, SKOGSBERG) MWF forenoon
Summer, 8

101c. The Invertebrates.—Independent work of a special character, for undergraduates, on one species, or a group, with reference to morphology, development, classification, or natural history. May be taken in connection with Courses 101*a*, 102, 104.

Summer quarter (FISHER, HEATH, SKOGSBERG) [Not given in 1925–26]

102. Comparative Embryology.—A study of development in as varied a series of marine forms as possible. This will be supplemented by the consideration of the fundamental facts of vertebrate development. Limited to fourteen students.

5 units, spring and summer quarters (HEATH) TThS forenoon
Spring, 11; summer, 16

104. Comparative Anatomy of the Vertebrates.—A detailed examination of vertebrate morphology, for pre-medical students who are unable to complete this requirement at the University. Limited to fourteen students.

5 units, spring and summer quarters (O'DONOGHUE) By arrangement
Spring, 15; summer, 14

109. Advanced Physiology of Marine Organisms.—The general method followed in this course is the same as in Course 9. The problems assigned will be of a more advanced character, involving the use of standard methods of chemical and physiological research. Only students with adequate training in biology, chemistry, or physics will be enrolled.

The aim of the course is to introduce students to the physiological problems presented by marine organisms and to familiarize them with the technique by which such problems may be attacked. Frequent informal conferences will be held at which the data secured by individual students will be discussed by the class and by the instructing staff.

To indicate the general character of the work a few representative problems are given here:

Coagulation of crustacean blood
Oxygen dissociation curve of hemocyanin
Buffer action and carbon-dioxid-carrying power of crabs' blood
Influence of hydrogen-ion concentration on ciliary activity
Turgescence in medusae
Gas content of swim-bladders of fishes
Salt equilibria in brine-inhabiting organisms

Students capable of carrying on research work under guidance will be allowed the widest range practicable in the selection of problems.

5 units, summer quarter (WEYMOUTH, MOORE) By arrangement
Summer, 2

111. Marine Algæ.—Lectures, readings, and laboratory work on the morphology and classification of the marine algæ. Particular attention will be given to the Red and Brown Algæ of the Pacific Coast. Limited to fourteen students.
5 units, summer quarter (SMITH) By arrangement
Summer, 9

120. Biology of the Protozoa.—The morphology, physiology, and natural history of marine protozoa.
Spring quarter (TAYLOR) Credit and hours by arrangement
Spring, 4

201. Research in Zoölogy.—The original investigation of problems connected with the development, structure, and natural history of invertebrates.
Spring and summer quarters (FISHER, HEATH, SKOGSBERG, TAYLOR)
Credit by arrangement
Spring, 6 (3 groups); summer, 13 (2 groups)

210. Research in Plant Morphology.—Students desiring to do original investigation in morphology must have adequate training in appropriate courses in morphology.
Summer quarter (SMITH) [Not given in 1925–26]

Courses 9, 100*a* or 100*b*, 102, and 104 will count toward the requirement in Biology for those desiring to register in Medicine. Courses 100*a* or 100*b*, 102, and 104 may be taken together. Courses 100*a* or 100*b*, 101*a* or 101*b*, 102, and 104 are major requirements in the Department of Zoölogy.

PHYSIOLOGY

ERNEST GALE MARTIN, Professor
ARTHUR RUSSELL MOORE (Rutgers University), Acting Professor (Summer Quarter)
JAMES ROLLIN SLONAKER, FRANK WALTER WEYMOUTH, Associate Professors
†JAMES PERCY BAUMBERGER, GEORGE DANIEL SHAFER, Assistant Professors
†LAURENCE IRVING, Instructor
JOHN FIELD II, VICTOR ERNEST HALL, Acting Instructors

4S. Elementary Lectures.—A lecture course open to qualified students. The subject matter of Course 101 is covered. Textbook: *The Human Body*, Martin, Advanced Course, Tenth Edition. Given only in alternate years.
2½ units, summer quarter, first half (SHAFER) [Not given in 1925–26]

5S. Elementary Lectures.—A course covering the subject matter of Course 102. Given in alternate years.
2½ units, summer quarter, first half (SHAFER) MTWThF 9
Summer, 19

9. Elementary Physiology of Marine Organisms.
5 units, summer quarter, at Hopkins Marine Station (MOORE, WEYMOUTH)
Three afternoons weekly
Summer, 7

101. Elementary Physiology.—The structure and functions of the body with special reference to the mechanisms of external adaptation, namely, muscles, nervous system, and sense organs. Designed, primarily, for students who are not looking forward to the study of Medicine. Intended to impart a general conception of the relationship of the human body to its

† Absent on leave, 1925–26.

environment. Textbook: *The Human Body,* Martin, Advanced Course, Tenth Edition. Open to upper-division students and to lower-division students who have had college courses in Biology and Chemistry.

5 units, autumn quarter (SHAFER) Lec. MWF 10; Lab. ThF 1:05–4:05
Autumn, 21

102. Elementary Physiology.—The structure and functions of the body with special reference to maintenance, growth, and energy liberation. In this course, special attention is paid to circulation, digestion, excretion, and metabolism. Although designed to offer in connection with Course 101, a survey of the field of human physiology, this course is planned so that it may be taken independently of Course 101. Textbook: *The Human Body,* Martin, Advanced Course, Tenth Edition. Requirements for admission the same as for Course 101.

5 units, winter quarter (SHAFER) Lec. MWF 10; Lab. MT 1:05–4:05
Winter, 18

103. Principles of Physiology.—An advanced study of the fundamental principles of physiology. The field is surveyed from the standpoint of the functioning of single cells and of multicellular organisms. An especial effort is made to familiarize the student with basic phenomena and their interpretation. The course serves primarily as a preparation for Courses 104 and 105, but is designed to meet the needs of advanced students who desire a general survey of the field and are unable to devote the time required for taking Courses 103, 104, and 105. Required of majors in the department. Prerequisites for majors: eighteen units of Biology, including Histology; Physics 1, 2, and 20, or equivalents; Chemistry up to and including Biochemistry. Advanced students of other departments presenting less than these prerequisites may be admitted on recommendation of their major departments provided that their previous training is of a character to enable them to take the course with profit; it is desirable that such training include Biology and Elementary Chemistry. Textbook: Starling's or McLeod's *Physiology.*

5 units, winter quarter (MARTIN, FIELD, HALL) Lec. MWF 8; Lab. WF 1:05–4:05
Winter, 49

104. Physiology of Maintenance.—The detailed application to man of the general principles developed in Course 103, so far as they relate to bodily maintenance. The laboratory work will be based, as far as possible, on mammals, including the human body itself. Textbook: Starling's or McLeod's *Physiology.* Required of majors in the department. Prerequisite: Course 103.

4 units, spring quarter (MARTIN, SHAFER, FIELD, HALL)
Spring, 41 Lec. TTh 11; Lab. ThF 1:05–4:05

105. Physiology of External Adjustment.—The detailed application of the principles developed in Course 103 to the mechanisms by which in mammals and man the organism is adjusted to its environment; thus comprising a study of the sense organs, the nervous system, and the motor apparatus. Prerequisites as in Course 103 plus Physics 3. Advanced students of other departments may be admitted on the terms stated under Course 103 provided they present such work in the anatomy of the nervous system and sense organs as will enable them to profit by the course. Required of majors in the department. Textbooks: Starling's or McLeod's *Physiology,* Herrick's *Introduction to Neurology.*

5 or 6 units, spring quarter (WEYMOUTH, FIELD, HALL)
Spring, 105 Lec. MWF 11; Lab. TW or ThF 1:05–4:05

109. Advanced Physiology of Marine Organisms.
5 units, summer quarter, at Hopkins Marine Station (Moore, Weymouth) Three afternoons weekly

Summer, 2

110. Physiology of Arthropods.—Special problems involving laboratory work, using insects or other Arthropods as material. Prerequisite: one of Courses 9, 103, 109, or equivalent.
Any quarter (Shafer, Weymouth) [Not given in 1925–26]

206. Journal Club.—A study of physiological literature, with oral and written reports. Required of majors in the department during two quarters.
1 unit, autumn, winter, and spring quarters (Weymouth) By arrangement
Autumn, 2; winter, 5; spring, 2

207. Special Physiology.—An advanced non-laboratory course open to students who have had one of Courses 103, 104, or 105. Designed to afford opportunity for the further study of selected subjects in Physiology. The work will be planned for the individual student.
1 to 5 units, any quarter (Department Faculty) By arrangement
Autumn, 2; winter, 1; spring, 2

208. Research in Physiology.—Special problems involving laboratory work.
(Department Faculty) [Not given in 1925–26]

Students will be recommended for the degree of Bachelor of Arts by the Department of Physiology who have fulfilled the requirements for admission to the Stanford Medical School, have taken Courses 103, 104, 105, and two units of Course 206 within the department, or equivalent courses elsewhere, ten additional units either within the department, or in the departments of Anatomy or Bacteriology, and lecture and laboratory courses in biochemistry to the amount required by the Stanford Medical School. Anatomy 1 (Histology) is a prerequisite, also, and cannot be counted toward the ten additional units mentioned above as optional from the Department of Anatomy.

The preliminary requirements of the Stanford Medical School are: Fifteen quarter units of college biology (General Biology, Comparative Anatomy, and Embryology usually offered); general chemistry, qualitative and quantitative analysis, lecture course in organic chemistry (18 units of chemistry); twelve quarter units of college physics; nine quarter units of college English; a reading knowledge of either French or German.

Students who have completed the work of the Lower Division will be admitted as majors in the department, but, to satisfy without serious schedule difficulties the departmental requirements within the regularly allotted six quarters, they will find it advantageous to have taken as much as possible of the required preparatory science while still in the Lower Division.

The departmental requirement for students looking forward to Medicine is designed to enable them to cover the required pre-medical subjects and the work of the first year in the Medical Department of this University, or to fit them to undertake to advantage the work of other first-class medical schools.

In addition to those majors looking forward to Medicine, provision is also made for such as are interested primarily in Physiology as a preparation for teaching or research, or as a phase of biological training.

The laboratory and library facilities are such as not only to provide for the proper teaching of the scheduled courses but to afford profitable opportunity for research along special lines—notably general physiology (for which the facilities of the Hopkins Marine Station are available); sense physiology (particularly vision) in man; mammalian physiology; and growth.

The Teacher's Recommendation.—Programs are offered for students seeking the Teacher's Recommendation as follows: Teaching major: Elementary Chemistry, 9 units; Biology, 18 units, including either Comparative Anatomy, Vertebrate Embryology, or Histology; Physiology, 14 units (Courses 103, 104, and 105).

Teaching minor: Elementary Chemistry, 9 units; General Biology, 9 units; Physiology, 10 units (Courses 101 and 102).

ZOOLOGY

Charles Henry Gilbert, George Clinton Price, Professors Emeritus
John Otterbein Snyder, Walter Kenrick Fisher, Harold Heath, Professors
Rennie Wilbur Doane, Mary Isabel McCracken, Charles Vincent Taylor (Biology), Associate Professors
Gordon Floyd Ferris, Edwin Chapin Starks, Assistant Professors
Ralph H. Smith, Acting Assistant Professor
Barton Warren Evermann, William Thomas Shaw, Lecturers

(Courses 1, 2, 3, and 6 may be undertaken without previous preparation in Zoölogy.)

1. General Zoölogy.—A laboratory course involving the study of representatives of the principal groups of animals, accompanied by lectures on their structure and classification, and on the general laws of biology which they illustrate.

5 units, autumn quarter (Taylor)
Summer quarter (Hopkins Marine Station) (Fisher)
Autumn, 40

2. The Vertebrates.—A general course in the classification of vertebrate animals, with studies in their habits and the geographical distribution of species. The course is largely devoted to birds. It includes field excursions, and observations of live animals in the laboratory.

5 units, spring quarter (Snyder) MTWThF 1:15–3:45
Spring, 19

3. Elementary Entomology.—An introduction to the study of entomology intended to give the student a general knowledge of the structure, development, and classification of the more important orders of insects. Laboratory work with occasional lectures. Open to all students.

5 units, autumn quarter (Doane, Smith) Forenoons
Autumn, 42

4. Morphology of Insects.—This course includes a study of insect structures from the point of view of adaptation (function) and taxonomy. The aim of the course is to lay a firm foundation for entomological studies. Laboratory work and occasional lectures.

Section *a*—Primarily for majors in zoölogy or students in general biology.

3 to 5 units, autumn quarter (McCracken) Forenoons
Autumn, 9

5. Classification of Insects.—The purpose of this course is to increase the student's knowledge of the insect fauna and acquaint him with the aims and methods of systematic work. Should be preceded by Course 1*a* or 2.
5 units, autumn and spring quarters (McCracken) Forenoons
Autumn, 2; spring, 50

6. General Entomology and Insect Adaptations.—A course of lectures and demonstrations. Open to all students.
2 units, autumn quarter (Doane) Lec. TTh 9
Autumn, 110

7. Insects and Disease.—A discussion of the insects that cause or disseminate some of the diseases in man and the domestic animals. Lectures and demonstrations. Open to students having some previous training in biology.
2 units, winter quarter (Doane) TTh 9
Winter, 177

8. Bionomics.
2 units, winter quarter (Doane) TTh 11
Winter, 75

100. Marine Invertebrates.—The object of this course is to give the student the widest possible acquaintance with the animals which live along shore and in the plankton of Monterey Bay. The prescribed work will also include a study of the associations of animals, their distribution, and something of their behavior, or simple reactions. Each student will collect much of his own material in the field. Limited to twelve students.
5 units, summer quarter (Hopkins Marine Station) (Fisher) MWF forenoons

101. The Invertebrates.—Intensive work on one species, or a group, with reference to anatomy, classification, or natural history. May be taken with Course 100.
Summer quarter (Hopkins Marine Station) (Fisher)
Credit and hours by arrangement

101a. The Invertebrates.—This course following Course 1, designed to give the student a broader knowledge of the morphology and relationships of the more important invertebrate groups.
3 units, winter quarter (Heath)
Winter, 14

102. Comparative Embryology.—A study of development in as varied a series of marine forms as possible. This will be supplemented by the consideration of the fundamental facts of vertebrate development. Limited to twelve students.
5 units, spring and summer quarters (Hopkins Marine Station) (Heath)
Spring, 11; summer, 16 TThS forenoon

104a. Vertebrate Embryology.—The development of the chick through the first three days of incubation, and the later stages in the development of the mammal.
5 units, winter quarter (Snyder and Others)
Winter, 7

105. Advanced Vertebrates.—Advanced studies in systematic vertebrate zoölogy; practice in museum methods, in field observations, and in the collection and preparation of specimens with data. To be preceded by Course 2.
3 to 5 units, autumn and winter quarters (Snyder) By arrangement
Autumn, 4; winter, 4

106. Comparative Anatomy of the Vertebrates.—A detailed examination of vertebrate morphology, including dissection of representatives of the

several classes of vertebrates, with comparative studies in vertebrate osteology, the nervous and circulatory systems. To be preceded by Course 1.
5 units, winter quarter (STARKS, SHAW) MTWThF 1:15–4:15
Winter, 31

107. Mammalian Anatomy.—For students who have had Course 106.
3 to 5 units, autumn and spring quarters (STARKS) By arrangement
Autumn, 15; spring, 7

108. Primitive Chordates.—Amphioxus, the tunicates, and the lampreys. Open to students who have had Course 106.
5 units, autumn quarter (STARKS) Forenoon or hours by arrangement
Autumn, 2

109. Ichthyology.—An examination of the larger groups of fishes and practical work in the discrimination of species; special problems in the morphology and classification of fishes. The work is largely individual.
5 units, autumn, winter, and spring quarters (STARKS, SNYDER)
Autumn, 1; winter, 4; spring, 2 Hours by arrangement

111. Economic Entomology: Coccidæ (the Scale Insects).—A study of the classification, general biology, and economic relations of the scale insects, with particular attention to the more important injurious ones of the Pacific Coast. Field, laboratory, and bibliographic work, with occasional lectures.
3 units, winter quarter (DOANE) [Not given in 1925–26]

112. Economic Entomology: Forest Insects.—A study of the insect enemies of forest and shade trees. The course includes field, laboratory, and bibliographic work.
3 units, autumn quarter (DOANE) MWF afternoons
Autumn, 3

113. Economic Entomology: Orchard and Garden Insects.—A study of the principal injurious and beneficial insects of the orchard and garden. Includes field, laboratory, and bibliographic work, and occasional lectures. Should be preceded by Course 101.
3 units, spring quarter (DOANE) MWF afternoons
Spring, 3

114. Honeybee and Apiculture.—Study of the honeybee; its structure and activities and an introduction to practical bee-keeping through work in a small apiary. Students should consult instructor before registering in this course.
3 units, spring quarter (MCCRACKEN) TTh 9; TTh afternoons
Spring, 13

115. Advanced Entomology.—Open only to upperclassmen who are prepared to do advanced economic, systematic, or biologic work. Laboratory and field work.
Autumn, winter, spring, and summer quarters (DOANE, MCCRACKEN, FERRIS)
Autumn, 11 (2 groups); winter, 5; spring, 9; summer, 2 By arrangement

116. Animal Genetics.—Discussion and demonstrations of the principles of heredity underlying modern practices in improvement of animals.
2 units, winter quarter (MCCRACKEN) [Not given in 1925–26]

117. Seminar.—Open to senior and graduate students.
2 units, autumn, winter, and spring quarters (MEMBERS OF THE DEPARTMENT)
Autumn, 9; winter, 18; spring, 10 By arrangement

118. Research.—Prosecution of special studies by advanced and graduate students. The work may be done either at the University or at the Hopkins Marine Station.
(MEMBERS OF THE DEPARTMENT) By arrangement
Autumn, 2; winter, 4; summer, 2

Major students, before graduation, must complete Courses 1, 2, 3, 101*a*, 106, 117; Animal Classification 2, or some equivalent; Elementary Botany 100. Substitution of other courses is permitted in special cases. Course 1, and at least one other five-unit course should be completed by major students in this department before the junior year. One quarter at the Hopkins Marine Station is required, and further work there may be recommended.

Students who look forward to the study of medicine may take Zoölogy for their major subject and receive the degree of Bachelor of Arts at the close of a four years' course which shall also contain the first year in medicine. The following courses in Zoölogy will be required of such students: Zoölogy 1, 5 units; Invertebrate Morphology, 5 units; Comparative Anatomy of the Vertebrates, 5 units; Mammalian Anatomy or Embryology, 5 units.

The Teacher's Recommendation.—The department recommendation for the High School Teacher's Certificate in Zoölogy requires the completion of the following courses: Zoölogy as a major; Zoölogy 1 (General), 5 units; 101 (Invertebrates), 5 units; 2 (Vertebrates), 5 units; 106 (Comparative Anatomy of Vertebrates), 5 units; 3 (Elementary Entomology), 5 units; 104 (Comparative Embryology), 5 units. Total, 30 units. Zoölogy as a minor: Zoölogy 1, 2, 3, 101, 106; Entomology 1*a*. Total, 25 units.

THE ZOOLOGICAL COLLECTIONS

The Zoölogical Museum contains a very full representation of the fishes of North America, and includes among others a valuable series of the deep-water fishes of the Pacific, and large collections from the West Indies, the Hawaiian Islands, Bering Sea, Japan, the coasts of Mexico and Central America, and the Galápagos Islands. The museum contains also a large representation of the reptiles, batrachians, birds, and mammals of California and adjoining states. The collection of marine invertebrates is rich in Pacific echinoderms and crustacea, and contains a good working nucleus in the other principal groups. The series of deep-sea forms is especially valuable.

The constantly growing entomological collections contain authoritatively named specimens, accessible for comparison, in all of the orders of insects. The Hymenoptera, Lepidoptera, Diptera, Coccidae, Mallophaga, and Anoplura are especially well represented. In addition to the systematic collections there are large series illustrating the development, habits, and adaptations of insects, particularly those of economic importance.

A small experimental orchard and an apiary and a lathhouse also add to the opportunities to do practical outside work.

Laboratory Fees.—$1 each quarter per unit of course.

GRADUATE SCHOOL OF BUSINESS

Willard Eugene Hotchkiss, Dean
Edward K. Strong, Jr., Professor
Eliot Grinnell Mears, Acting Professor
Victor H. Pelz, Associate Professor of Business Organization
John B. Guernsey, Lecturer (Spring Quarter)

ORGANIZATION

The plan of establishing a School of Business has been under discussion at Stanford University for a number of years. Through the action of Herbert

C. Hoover, a Trustee of the University, who brought the need of financial support for such a school to the attention of interested business men on the Pacific Coast, a small committee, composed of Wallace M. Alexander, George M. Rolph, Paul Shoup, Thomas T. C. Gregory, and Milton Esberg, volunteered to secure the necessary funds. Mr. Harry Chandler of Los Angeles was particularly helpful in co-operating with this committee. Through the co-operation of the following firms and individuals the necessary funds were secured and the School was inaugurated with the beginning of the academic year 1925–26:

Associated Oil Company; Alexander and Baldwin, Ltd.; Pacific Gas and Electric Company; Pacific Oil Company; California and Hawaiian Sugar Refining Corporation; Matson Navigation Company; Milton Esberg; Bank of California, N.A.; Wallace M. Alexander; James Irvine; San Francisco Savings and Loan Society; Paraffine Companies, Inc.; The Anglo and London Paris National Bank; Honolulu Consolidated Oil Company; Crocker National Bank of San Francisco; Fireman's Fund Insurance Company; Zellerbach Paper Company; Abraham and Max Rosenberg; M. A. Gunst and Morgan A. Gunst; Pacific Lumber Company; J. D. Grant; Welch and Company; Langley and Michaels Company; H. M. Newhall and Company; Bay Transport Company; Pacific Lighting Corporation; George M. Rolph; W. I. Brobeck; Western Pacific Railroad Company; Alaska Packers' Association; American Factors, Ltd.; Western Pipe and Steel Company of California; Crown Willamette Paper Company; Gladding, McBean and Company; Sperry Flour Company; S. Waldo Coleman; D. Ghirardelli; Charles R. Blyth; Wells Fargo Bank and Union Trust Company; Foster and Kleiser Company of California; Williams Dimond and Company; Pacific Securities Company; Richmond Chase Company; A. Schilling and Company; Harry Chandler; M. H. Sherman; E. P. Clark; M. H. Whittier; A. C. Balch; Joseph B. Dabney; H. M. Haldeman; Frank X. Pfaffinger; Harold and Edwin Janss; and Thomas A. O'Donnell.

PURPOSE

Stanford University has set up a graduate school in which selected young men and women may be educated for business. Without overlooking preparation for immediate service after graduation, the chief concern of the School is to develop habits of thought and action that will make for continuous growth in capacity for leadership.

In pursuing this end the following elements are considered essential:

1. An understanding of what business is and of the way it has come to occupy its present place in human affairs.

2. Knowledge and appreciation of the human and material forces with which business has to deal.

3. Mastery of basic principles of management.

4. Ability to use the tools and technical equipment through which business is administered and controlled.

5. Training in the application of principles in analyzing and handling concrete business situations.

A business executive, using the term in the only sense that is acceptable as an objective of university training, is a person who does important discretionary and directive work—work that is potentially creative. Such work

requires today a range of knowledge and understanding that cannot be acquired without knowing the methods and processes of scientific analysis. Ability to locate facts and to sift the essential from the non-essential, the habit of basing action on a careful analysis of essential data, are qualities which it is peculiarly the province of a graduate school to develop.

At the same time, it must be recognized that analysis is sterile unless it leads to decision and action. Wise and timely action is of the essence of executive leadership. The School will aim therefore constantly to confront the student with questions of business policy and procedure that call for positive action upon the facts which investigation brings to light.

UNITY OF MANAGEMENT

Business schools came into the system of higher education at a time when specialization in professional study was at its height. It was natural therefore for the scientific study of business to be directed largely toward the functional divisions of business—accounting, production, finance, marketing, advertising—rather than management as a whole. Business management as a unifying and co-ordinating force has received comparatively little attention.

Throughout its program of study the Graduate School of Business will emphasize the essential unity of management. Without neglecting the problems that arise in the several divisions of business, effort will be made to develop such habits of mind that students instinctively will think of a business as a unit, and work out the solution of problems with the requirements of the whole business in mind.

INDIVIDUAL WORK

To the extent that seems desirable in order to economize time, students will be brought together in classes or groups, but the work will be as far as possible individual, and advancement will depend on the capacity and the effort of the particular student. The course of study has been organized with a minimum of mechanics and regimentation. As far as possible principles of management are developed in connection with actual business situations in which the individual student is thrown on his own resources to find wise and effective solutions of business problems. Instruction in the School is addressed to selected graduate students, and it is expected therefore that their previous training will have prepared them to work under suitable supervision with a large degree of independence.

SUPERVISED FIELD WORK

In making the university a place for educating future business leaders, it must be recognized that the university alone cannot supply that capstone of discipline—actually doing the job. A person who advances through successive positions in a going concern secures a kind of discipline which, though intangible, is nevertheless essential.

However clear the case may be for making business the subject of professional study, it is obvious that replacing apprenticeship with systematic schooling operates to postpone entry into business and to widen the gap between preparation and practice. The period of orientation, even for superior graduates of professional schools, is one of great difficulty and hazard.

In setting up a program for professional business training it appears worth while to provide some means by which a modicum of experience can be supplied before graduation. The student will therefore spend part of his

time during the course in supervised work either as an employee of a going business concern or in connection with some enterprise which requires the practical application of management principles. A student will not be recommended for a degree until in the opinion of the faculty he has demonstrated some ability to apply the results of his training.

PREPARATION AND ADMISSION

Persons who have completed a four-year course in an approved college or university professional school may become candidates for admission. It will be impracticable for the present to admit more than seventy-five applicants each year; those students will be given preference whose previous record has shown the most evidence of promise.

College students who are looking forward to becoming candidates for admission to the Graduate School of Business are advised to shape their undergraduate course so as to secure grasp of scientific method and a well-rounded appreciation of life. It is desirable that undergraduate study should include laboratory science, both biological and physical, language and literature, history, social and economic science. Students should have learned how to reason accurately with the relatively exact data of such subjects as mathematics and laboratory science and with the more contingent data of the several social sciences. Some work in statistics and elementary accounting is desirable.

Applicants for admission must show ability to use correct and effective English.

Students desiring to enter the Graduate School of Business should address inquiries to the secretary of the School.

DEGREES

Master of Business Administration

The degree, Master of Business Administration, will be conferred upon the recommendation of the Committee on Graduate Study when the student has satisfied the requirements laid down by the faculty of the Graduate School of Business.

Doctor of Philosophy

Students whom the faculty deem qualified to undertake independent, scientific research in business, and who are preparing for teaching or research positions, may become candidates for the degree, Doctor of Philosophy. Candidates for this degree will conform to the general requirements as set forth in the University Bulletin on Graduate Study.

COURSE OF STUDY

During the first year of work in the Graduate School of Business a minimum amount of time, not to exceed one-fourth of the total time available for study, is set aside for desirable adjustments to the student's previous education. Completion of a course in the Graduate School of Business will involve a minimum of two years' study, including the time spent in supervised field work. Students whose progress is sufficiently rapid to enable them to complete their work in the minimum time will usually spend six quarters in residence.

The nature of the subject matter covered during the first year will be substantially the same for all students.

TYPICAL SCHEDULE

First Year

Approximate allocation of time	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
One-fourth	Supplementing previous education			Supervised field work in business
One-fourth	Geographical bases of business	Economic analysis	Co-operative marketing problems	
One-fourth	Approach to business through the psychology of business relations	Principles of organization and management (continued)	Business policy	
One-fourth	Principles of organization and management	Financial and accounting approach to business		

Second Year

Approximate allocation of time	Fifth Quarter	Sixth Quarter	Seventh Quarter
One-third	Principles and problems in merchandising, marketing, and sales management: application to specific products		Problems in business policy
One-third	Industrial management, including industrial relations and personnel		
One-third	Work in special field*		

* Students will be expected to concentrate the time available for specialization on one or at most two subjects. Following are some of the principal subjects in which students may elect to specialize:

Accounting
Advertising
Agricultural Business
Banking and Finance
Commercial and Trade Organizations
Industrial Management
Insurance
International Trade
Marketing
Personnel Administration
Public Utilities
Real Estate and Land Colonization
Retail Merchandising
Sales Management
Statistics
Transportation

EXPLANATION OF SCHEDULE

FIRST YEAR

Supplementing Previous Education.—A maximum of one-fourth of the student's time during his first year may be made available for supplementing his previous education. Students who have not had enough work in economics, statistics, accounting, or finance to enable them to handle business problems in which these subjects are involved will be expected to utilize this time in making up deficiencies in these fields. For students whose undergraduate work has been highly specialized, the time made available under this caption will be utilized for college study of a more general nature. Elections will be made with the approval of the faculty.

Geographical Aspects of Business.—Business problems as influenced by such factors as population, climate, soil, water supply, fuels, natural resources, proximity to markets, transportation, and labor supply. Emphasis on agricultural conditions, water supply, power, location, ocean transportation, and other local factors affecting business on the Pacific Coast.

4 units, autumn quarter (MEARS) By arrangement
Autumn, 15

Psychological Approach to Business.—Business as a process of adjusting human relations. Relationships of the executive with his subordinates, his co-equals, and superiors; with customers, investors, and the general public. Includes the psychology of selling and advertising, determination of what others want, how to meet their demands, and methods of measuring the success of the resulting business policies.

Autumn quarter (STRONG) By arrangement
Autumn, 16

Scientific and Technical Foundations of Business.—Scientific and engineering features of administration. Place of technology in business management. Technical aspects of problems of financing, valuation, selection, operation, and management of plant equipment.

[Not given in 1925–26]

Economic Analysis.—Analysis of economic factors that affect business policy and practice, with emphasis on development of power to pick out and evaluate significant elements involved in general problems of management, such as adjustment of production to raw materials, markets, transportation, tariffs, financial conditions, the business cycle, and other economic factors affecting cost, profits, and business stability.

Winter quarter (PELZ) By arrangement
Winter, 14

Principles of Organization and Management (Two Quarters).—The purpose of this study is to give students an accurate grasp of current economic and legal concepts and understanding of basic principles of management. Significance and scope of specialization, standardization, simplification, planning. Scientific management. Relation of general and divisional executives to functional and department activities. The meaning of business policy.

Autumn and winter quarters (PELZ) By arrangement
Autumn, 15; winter, 14

Financial and Accounting Approach to Management (Two Quarters).—The first half of this course will consist of a survey of the factors that should determine financial policies, such as the amount of investment needed, character of security issues, requisite working capital, establishment and

support of lines of credit, and dividend and investment policies. (In the winter quarter, 1925–26, this course was combined with Course 220 in the Department of Economics.)

The second half of the course will cover problems of interdepartmental relations, stock control, and budgetary control of financial and operating matters.

A knowledge of elementary accounting and statistics will be assumed, but these subjects will be regarded as tools of analysis and control rather than as technical specialties.

Spring quarter (GUERNSEY) By arrangement
Spring, 13

Law and Public Policy.—Consideration of basic legal concepts, and principles governing legal responsibility for business transactions. Unfair practices and restraint of trade. Fundamentals of public policy toward business.

Spring quarter (SCHOOL FACULTY) [Not given in 1925–26]

Co-operative Marketing Problems.—First-hand investigation of growers' marketing organizations functioning in Santa Clara County, based upon personal interviews with co-operative officials and local ranchers, both members and nonmembers. Supplementary material obtained from by-laws, grower contracts, and association literature. Separate assignments to appear as a joint class report.

Spring quarter (MEARS) By arrangement
Spring, 13

Collateral Study.—In connection with, or in addition to, work pursued and problems analyzed during the first year it is expected that students will familiarize themselves with elementary principles, applicable to the chief functional divisions of business, and will cover with reasonable thoroughness the scientific literature of the subject. Later study of the functional division of business and of particular specialties will assume that students have already secured this elementary knowledge of the subject.

SECOND YEAR

Merchandising, Marketing, and Sales Management.—The problems of the second year will involve substantial mastery of marketing, advertising, and sales technique. Students will devote considerable time to the problems connected with the marketing of Pacific Coast products, especially agricultural products, and to the problems of international trade.

(MEARS, PELZ, STRONG) [Not given in 1925–26]

Industrial Management.—Problems involving the fundamentals of production management, industrial relations, factory personnel administration. Balancing production with sales. Stabilizing employment.

[Not given in 1925–26]

Business Policy.—The purpose of this work is to co-ordinate the chief results of previous study and to furnish training in bringing different management factors within the scope of unified policy. Individual work under the problem method.

Spring quarter (SCHOOL FACULTY) By arrangement
Spring, 13

Supervised Field Work in Business.—Completion of a course in the Graduate School of Business will involve performance in a responsible position acceptable both to the executives of the particular business and to the authorities of the School. In some cases students who have had business

experience before entering the Graduate School may be able to satisfy this requirement by work during some one quarter, usually following their first year of residence. In most cases, however, further service in business will be necessary, the length of such service depending on the proficiency of the student and the opportunities which his position offers for applying the principles covered in his previous study.

CHEMISTRY

ROBERT ECKLES SWAIN, EDWARD CURTIS FRANKLIN, LIONEL REMOND LENOX, †WINFORD LEE LEWIS, STEWART WOODFORD YOUNG, Professors
CARL LUCAS ALSBERG, Director, Food Research Institute
JOHN PEARCE MITCHELL, Registrar
GEORGE BELL FRANKFORTER, Acting Professor
WILLIAM HENRY SLOAN, Associate Professor
GEORGE SUTTON PARKS, Assistant Professor
MEYER BODANSKY, Acting Assistant Professor
NATHANIEL HOWELL FURMAN, Acting Assistant Professor (Summer Quarter)
FRANCIS WILLIAM BERGSTROM, JAMES STUART BLAIR, WILLIAM LEROY BURDICK, MAURICE L. HUGGINS, ROBERT NICHOLAS WENZEL, Instructors

1. Elementary Inorganic Chemistry, Lectures.—Comprising a systematic treatment of elementary principles and of the properties of the more important elements and their compounds. Open to all students; particularly for students without entrance credit in Chemistry. Students without entrance credit in Chemistry are required to enroll in laboratory Course 2 concurrently.

3 units, autumn and *winter quarters (FRANKFORTER)
Autumn, 69; winter, 40 (autumn) Lec. MWF 8, (winter) Lec. TThS 8

2. Elementary Inorganic Laboratory.—In connection with Course 1. Illustrating fundamental laws and principles of elementary chemistry. Required of students who have not received entrance credit in Chemistry.

3 units, autumn and *winter quarters (BLAIR, HUGGINS, WENZEL)
Autumn, 52; winter, 29 (2 sections) MTW 1–4, or ThF 1–4, and S 9–12

3. Elementary Inorganic Chemistry. — Continuation of Chemistry 1. Open to students who have had Courses 1 and 2, or their equivalents.

3 units, spring quarter (FRANKFORTER) TThS 8
Spring, 80

4. General Inorganic Laboratory.—Inorganic preparations and general chemistry. For students with entrance credit or Chemistry 2.

3 units, every quarter (BLAIR, HUGGINS, WENZEL)
MTW 1–4, or ThF 1–4, and S 9–12
Autumn, 94 (2 sections); winter, 59 (2 sections); spring, 46 (2 sections); summer, 16

7. General Inorganic Chemistry.—Lectures reviewing elementary principles and covering a systematic treatment of important theories and the properties of the more important elements and their compounds. Open only to students who have offered entrance credit in Chemistry or its equivalent.

† Absent on leave, 1925–26.

Laboratory Course 4 is planned to be taken in connection with lecture Courses 7 and 9.

2 units, autumn and *summer quarters (MITCHELL, HUGGINS, WENZEL) TTh 8
Autumn, 181; summer, 15

9. General Inorganic Chemistry.—Continuation of Chemistry 7. Open to students who have completed Course 7 or its equivalent.

2 units, winter and *summer quarters (MITCHELL, WENZEL) TTh 8
Winter, 166; summer, 15

20. Qualitative Analysis, Lecture and Laboratory.—Open to students who have completed Courses 3 or 9, and 4.

5 units, autumn, *winter, and *spring quarters (LENOX, BERGER) 4 afternoons
Autumn, 41; winter, 45; spring, 36

101. Principles of Inorganic Chemistry.—Discussion of the elements of chemical theories and of important generalizations in the field of inorganic chemistry. Prerequisite: Chemistry 3 or 9, or an equivalent.

5 units, autumn and *summer quarters (SWAIN, BURDICK) MTWThF 11
Autumn, 61; summer, 15

111. Quantitative Analysis.—Lecture course. Must be taken in conjunction with Course 112.

1 unit, autumn, *winter, *spring, and *summer quarters (SLOAN, BURDICK)
Autumn, 38; winter, 44; spring, 33; summer, 20 TTh 3:05

112. Quantitative Analysis.—Introductory. Training in manipulation in gravimetric and volumetric methods. Open to students who have completed Course 20. Not open to first-year students. Given in conjunction with Course 111.

4 or 5 units, autumn, *winter, *spring, and *summer quarters (SLOAN, BURDICK)
Autumn, 38; winter, 39; spring, 31; summer, 20 4 or 5 afternoons

114. Quantitative Analysis.—A continuation of Course 112, principally gravimetric methods.

5 units, autumn, *winter, *spring, and *summer quarters (SLOAN, BURDICK)
Autumn, 2; winter, 8; spring, 3; summer, 2 5 afternoons

121. Organic Chemistry.—Lectures and reviews on the chemistry of carbon compounds. Open to students who have completed Course 101 or its equivalent.

5 units, winter quarter (FRANKLIN) MTWThF 11
Winter, 70

122. Organic Preparations.—Preparation and study of typical carbon compounds. Open in connection with Courses 121 and 123 to students who have completed Course 20.

5 units, winter, *spring, and *summer quarters (FRANKLIN, BERGSTROM)
Winter, 13; spring, 30; summer, 7 5 afternoons

123. Organic Chemistry.—Continuation of Chemistry 121.

5 units, spring quarter (FRANKLIN) MTWThF 11
Spring, 65

124. Advanced Organic Laboratory.—Organic analysis. Training in searching the chemical literature and in making special preparations. Open to students who have completed Chemistry 122, or equivalent, and who have some knowledge of German.

5 units, winter, *spring, and *summer quarters (BERGSTROM)
Winter, 4 (2 groups); spring, 6; summer, 4 Hours by arrangement

125. Advanced Organic Lectures.—Advanced topics in organic chemistry, including stereochemistry. Open to students who have completed Courses 101, 121, and 123.

3 units, spring quarter in alternate years (FRANKLIN) MWF 8
Spring, 23

127. Elementary Organic Chemistry.—A condensed lecture course in organic chemistry, offered particularly for students in biology and medicine, but open to all students who have completed Course 20. Not for Chemistry majors.

5 units, winter and *summer quarters (BERGSTROM) (winter) MTWThF 8
Winter, 41; summer, 19 (summer) MTWThF 10

128. Organic Chemistry.—A laboratory course designed especially to accompany Course 127. Not for Chemistry majors.

3 units, winter, spring, and summer quarters (BERGSTROM) 3 afternoons
Winter, 9; spring, 9; summer, 3

131. The Chemistry of the Terpenes.—A lecture course covering both the benzenoid and the non-benzenoid compounds of the terpene family, beginning with the simplest unit C_5H_8 and its multiples. In addition to these substances or the terpenes proper, special attention is given to the resins and gums, including colophoneum shellac and the fossil resins. Special attention is also given to the chemical constitution of rubber and its synthetic production. The course also includes a full discussion of the chemistry and technology of the perfumes both natural and synthetic.

2 units, spring quarter (FRANKFORTER) TTh 9
Spring, 14

141. Biochemistry.—Lectures on the chemical composition of the tissues and secretions of the animal body. Open to students who have completed Courses 121 and 123, or 127.

2 units, autumn and *summer quarters (BODANSKY) TTh 8
Autumn, 37; summer, 30

142. Biochemistry.—A laboratory course including a preliminary study of the proteins, carbohydrates, and fats, and the action of the various digestive fluids upon them; followed by a chemical examination of the bile, blood, milk, and the chief tissues of the animal body. In connection with Course 141. Prerequisites: Courses 123 (or 127), 111, and 112.

2 or 3 units, autumn, winter, and *summer quarters (BODANSKY)
Autumn, 36; winter, 2; summer, 17 2 or 3 afternoons

143. Biochemistry.—Continuation of Course 141, with particular reference to such topics as the nutrition, metabolism, and the waste products of the human organism.

2 units, winter and *summer quarters (BODANSKY) TTh 8
Winter, 36; summer, 28

144. Biochemistry.—Continuation of Course 142. The work of this course is devoted chiefly to the quantitative analysis of milk, blood, and urine.

2 or 3 units, autumn, *winter, and *summer quarters (BODANSKY)
Autumn, 1; winter, 35; summer, 15 2 or 3 afternoons

146. Special Methods in the Analysis of Blood and Urine.—Prerequisites: Courses 143 and 144.

2 to 5 units, winter, *spring, and *summer quarters (SWAIN, BODANSKY)
[Not given in 1925–26]

147. Chemistry of Respiration and Nutrition.—A lecture course dealing with the chemical processes upon which the ordinary processes of life, especially of animals, are based. Open to students who have completed Biology 1 and Chemistry 123.

2 units, autumn quarter (ALSBERG) TTh 11
Autumn, 10

151. Advanced Inorganic Chemistry.—Advanced topics in inorganic chemistry, including the rarer elements, structure of the atom, radioactivity, catalysis, and the chemistry of the higher order compounds.

3 units, spring quarter (SWAIN) [Not given in 1925–26]

153. Selected Topics in Physical Chemistry.—A lecture course, with assigned reading and discussion, dealing chiefly with the physical chemistry of dilute solutions and including such topics as the theory of ionization, general titration theory, potentiometric titrations, indicators, oxidation-reduction reactions, membrane equilibria, etc.

4 units, summer quarter (FURMAN) MTWTh 9
Summer, 14

154. Selected Topics in Physical Chemistry.—A laboratory course designed to accompany Course 153.

1 to 2 units, summer quarter (FURMAN) 1 or 2 afternoons
Summer, 7

171. General Physical Chemistry.—Lectures covering as far as possible the whole field of physical chemistry. Open to students who have completed Chemistry 101, 111, 112, 121, Course 20 in Mathematics, and Courses 1, 2, 3, 20, in Physics, or their equivalent.

5 units, autumn quarter (YOUNG) MTWThF 8
Autumn, 31

173. General Physical Chemistry.—Continuation of Chemistry 171.

5 units, winter quarter (YOUNG) MTWThF 8
Winter, 28

174. Physical-Chemistry Measurements.—Exercises in the practice of physical-chemistry laboratory methods. Open to students who have completed or are taking Courses 171 and 173, and who have completed Courses 112, 122, and 123. In special cases and by special arrangement this course will be open to students who have completed Courses 112, 122, and 123, but have omitted Courses 171 and 173.

5 units, autumn, *winter, and *spring quarters (PARKS) 5 afternoons
Autumn, 10; winter, 2; spring, 7

181. Electrochemistry.—Discussion of the general theories and applications of electrochemistry. Open to seniors in Chemistry, and to others who have completed Courses 171 and 173 or their equivalent.

3 units, spring quarter (PARKS) [Not given in 1925–26]

201. Seminary in Chemistry.—Discussion of assigned topics in theoretical and general chemistry. Open to graduate students, and to advanced undergraduates in Chemistry, with the approval of the Faculty in Chemistry.

1 unit, every quarter (DEPARTMENT STAFF) M 7:15 P.M.
Autumn, 7; winter, 8; spring, 4

205. Thermodynamics and Chemistry.—A problem and reading course. The original researches on which are based the laws of physical chemistry will be studied. The practical application of the laws will be demonstrated by problems. Prerequisites: Chemistry 171, 173, and a knowledge of calculus.

3 units, winter quarter (PARKS) By arrangement
Winter, 7

207. Ammunition and Explosives.—A discussion of the ballistic powders and high explosives used during the Great War, including the chemistry involved not only in their preparation but also in the preparation of the raw materials necessary for their manufacture. The course also covers the preparation and use of primers and primer mixtures. In addition to the outline above, the new explosives which have not yet been used but which promise to become of great importance in the future will be discussed.

2 units, winter quarter (FRANKFORTER) WF 10
Winter, 20

209. The Structure of Crystals.—A seminar course dealing with the results of crystal structure analysis by means of X-rays and the application

of these results to problems in chemistry, physics, mineralogy, etc. Primarily for seniors and graduates.

2 units, spring quarter (HUGGINS) MW 1
Spring, 9

210. Advanced and Special Courses.—Advanced and special courses in laboratory work and research work are open to students who have completed the necessary prerequisites, by arrangement with professors of the department, and with reference to the particular aims and ambitions of the students.

Autumn, 28 (8 groups); winter, 32 (8 groups); spring, 45 (11 groups); summer, 13 (6 groups)

Candidates for the degree of Bachelor of Arts in Chemistry must offer the equivalent of two years of college work in German, or two years of French and one year of German. The election of German in the Lower Division is advised for those who have not had the equivalent of two years of college work in the subject. A good reading knowledge of German is required for all advanced degrees.

Major students should complete the courses in one of the following curricula (A, B, C, or D) in meeting the requirements for the degree of Bachelor of Arts in Chemistry.

Qualified students may also pursue investigations of problems in inorganic, organic, physical, analytical, or biochemistry under the direction of any professor with whom arrangement is made. For all such advanced, special, or research work, students will register and enroll under Course 210, giving the name of the professor under whom the work is to be carried on, and for such number of units of credit as may be agreed upon.

Students intending to major in the Department of Chemistry are advised to offer entrance credit in chemistry, physics, mathematics (including solid geometry and trigonometry for the chemical engineering course), and German (2 units). Entrance credit in biological science will also be advantageous. Students without these entrance credits may experience some difficulty, especially in the chemical engineering course, in conforming to the departmental requirements for graduation.

A. GENERAL CHEMISTRY

[Recommended for all who are studying the science of chemistry particularly as a basis for teaching or scientific research.]

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, and 4, or 4, 7, 9, and 20; Physics 1, 2, 3, and 20; Mathematics 20, or its equivalent; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 121, 122, 123, 171, 173, and 174 or 124, or 210.

B. ANALYTICAL CHEMISTRY

[Particularly adapted to meet the needs of students who are looking forward to the career of analytical chemist.]

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, and 4, or 4, 7, 9, and 20; Physics 1, 2, 3, and 20; Mathematics 20 (at least two quarters) or its equivalent; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 114, 121, 122, 123, 171, 173, and 174 or 124, or 210; Mineralogy 122.

C. BIOLOGICAL CHEMISTRY

[Particularly adapted to students who are looking forward to work along medical or biochemical lines.]

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, and 4, or 4, 7, 9, and 20; Physics 1, 2, 3, and 20; Mathematics 20 (at least two quarters) or its equivalent; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 121, 122, 123, 141, 142, 143, 144, and 174 or 124 or 146 or 210; Physiology 103; Bacteriology 1 or 201.

D. ENGINEERING CHEMISTRY

[Intended especially for students who are working toward the degree of Engineer in Chemical Engineering, and who desire to fit themselves for positions of responsibility in connection with the administration of industries involving chemical knowledge and skill.]

This curriculum comprises four years of the necessary six years' work leading to the advanced degree of Engineer in Chemical Engineering. Candidates in this course receive the degree of Bachelor of Arts in Chemistry, upon completion of the following requirements:

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, and 4, or 4, 7, 9, and 20; Physics 11; Mathematics 1*a*, 1*b*, 2*a*, 2*b*, and 3*a*; Engineering 1 and 2; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 114, 121, 122, 123, 171, and 173; Mathematics 3*b*; Physics 12, 13, and 14; Engineering 3, 106, and 110; Mechanical Engineering 12.

ADVANCED DEGREES

After October 1, 1927, the degree of Engineer in Chemical Engineering will be conferred only on those candidates who have completed two years of graduate work in addition to the above requirements for the degree of Bachelor of Arts as given under Curriculum D. This work will include a thesis based on laboratory work and the following courses: Chemistry 125, 151, 174, 181, and 205; Mechanical Engineering 121, 124, 132, 133, and 236; Electrical Engineering 102, 103, 122, and 123. A reading knowledge of both German and French will also be required.

Prior to October 1, 1927, this degree will be awarded upon the completion, in addition to the requirements for the degree of Bachelor of Arts in Chemical Engineering, of three quarters of graduate work as outlined in the *Announcement of Courses* for 1920–21. These shall include the following courses: Chemistry 174, Mechanical Engineering 121, 124, 236, and a thesis based on laboratory work.

Applicants for the degree of Master of Arts in Chemistry will be expected to complete, in addition to the requirements for the Bachelor's degree, the equivalent of forty-five units of work in the University—of which approximately two-thirds must be in the department. This work will include a thesis based on laboratory work and Courses 171, 173, and 174, if these were not included in the undergraduate work.

Candidates for the degree of Doctor of Philosophy in Chemistry, after the completion of the equivalent of the requirements for the degree of Master of Arts or Engineer, will follow such courses as are approved by the Department Faculty, subject to general University regulations.

The Teacher's Recommendation.—The minimum requirements for the High School Teacher's Recommendation in Chemistry are as follows:

(*a*) To teach chemistry as a minor high-school subject: Courses 1, 2, 3, and 4, or 4, 7, and 9 (General Inorganic lectures and laboratory); 20 (Qualitative Analysis); 101 (Principles of Chemistry); and either 121 and 123 or 127 and 128 (Organic Chemistry). Total, 26 to 33 units.

(*b*) To teach chemistry as a major high-school subject: Courses 1, 2, 3, and 4, or 4, 7, and 9 (General Inorganic lectures and laboratory); 20 (Qualitative Analysis); 111 and 112 (Quantitative Analysis); 101 (Principles of Chemistry); 121 and 123 (Organic Chemistry). Total, 34 to 39 units.

Laboratory Fees.—A charge of $25 per quarter ($10 of which is returnable less bills for breakage and loss of apparatus) is made to students in Courses 2 and 4; for three units' credit in Chemistry, the fee is $20 per quarter (with $10 returnable less breakage); for all other courses of not more than six units' credit each, the fee is $30 per quarter (of which $15 is returnable less bill for breakage and loss of apparatus).

Medical students make a breakage deposit only in Courses 142 and 144. This amounts to $7.50 for 2 units, and $10 for 3 units of credit.

CITIZENSHIP

Edgar Eugene Robinson (History), Director

Harold Chapman Brown (Philosophy), Walter Greenwood Beach (Social Science), †Edwin Angell Cottrell (Political Science), Marion Rice Kirkwood (Law), Victor J. West (Political Science), Albert Conser Whitaker (Economics), Advisory Committee

Carl Lucas Alsberg (Food Research Institute), Walter Greenwood Beach (Sociology), Harold Chapman Brown (Philosophy), Willard Eugene Hotchkiss (Graduate School of Business), Harley Leist Lutz (Economics), Ernest Gale Martin (Physiology), Eliot Grinnell Mears (Graduate School of Business), Edgar Eugene Robinson (History), Edward K. Strong, Jr. (Psychology), Graham Henry Stuart (Political Science), Lewis Madison Terman (Psychology), Victor J. West (Political Science), Murray Shipley Wildman (Economics), Lecturers

Henry Stow Anderson, Edith Dobie, Luther Harris Evans, Flora May Fearing, Roland McLeod Miller, Charles N. Reynolds, Charles Hickman Titus, Oswald Henry Wedel, Instructors

1–3. Problems of Citizenship.—A general introductory course required of all students in their first year. Designed to present the salient features in the bases and background of present-day society, to consider the place of education in modern life and the political equipment of the citizen, and to examine in detail the fundamental political, social, and economic problems of the American people.

† Absent on leave, 1925–26.

Attention will be given the following: (1) Bases of Civilization, including such subdivisions as Physical Environment of Modern Man, Man's Conquest of Nature, Science and the Scientific Method, Fundamental Social Institutions, Races of Mankind; (2) Historical Development of American Society, including such subdivisions as European Expansion, and Exploration of the Americas, Migrations of Peoples, Beginnings and Development of an American People, National States of the Modern Period; (3) Political Equipment of the Citizen, including such subdivisions as Place of Education in Modern Life, Individual and Political Liberty, Origin and Development of Democracy, Public Opinion, Popular Control in Government; (4) Political Institutions and Problems, including such subdivisions as the Nature of State and Government, Political Parties, Colonialism, Local Government, Problems of Popular Control and Efficiency; (5) Economic and Social Institutions and Problems, including such subdivisions as Industrial Combinations, Regulation of Public Utilities, Foreign Trade, Conservation, Immigration; (6) Education for Citizenship, including such subdivisions as Agencies for Publicity, the Development of Community Life, Opportunities of an Individual in a Democracy.

Lectures by various members of the faculty and sections in charge of instructors in Citizenship.

4 units, autumn, winter and spring quarters T 10 (and three hours by arrangement)
Autumn, 606 (7 sections); winter, 592 (10 sections); spring, 623 (8 sections)

CLASSICAL LITERATURE

Augustus Taber Murray, Henry Rushton Fairclough, Jefferson Elmore, Professors
Benjamin Oliver Foster, Ernest Whitney Martin, Associate Professors
Herbert H. Powell, Lecturer
Frank A. Delamarter, Hazel Dorothy Hansen, Collice Henry, Assistants in Instruction

The Department of Classical Literature, into which the separate departments of Greek and Latin have been merged, has for its aim the interpretation in the broadest sense of the civilizations of Greece and Rome. It accepts as major students those who desire training in Greek and Latin as a preparation for graduate work either in this University or elsewhere, or who wish to secure teachers' certificates in the classical languages, and also those who, without intending to specialize in Greek or in Latin, wish to make their work in the University conform to the traditional arts course. The student is free to make his major work Greek or Latin at will.

Students who have had no Greek before entering the University may begin their study of the language in any quarter in introductory courses which are open to students in all departments of the University. Students who offer Greek on entrance will be registered in classes adapted to their needs.

In addition to the courses in the Greek and Latin languages, the department offers courses in Classical Literature, History, Archæology, Art, and allied subjects, which, as indicated below, may be taken by major students as a part of their required work, but which presuppose no knowledge of the

Greek and Latin languages, and are open, unless otherwise stated, to students in all departments of the University.

The department offers three majors with a normal requirement of forty-five credit units, as follows: (1) Classical Literature, Greek; (2) Classical Literature, Latin; and (3) Classical Literature. For the first of these the student must have completed thirty units in courses in the Greek language plus fifteen units in the general courses offered by the department; for the second, thirty units in courses in the Latin language (beyond Course B3) plus fifteen units from the general courses; and for the third, either thirty units in courses in the Greek language plus fifteen units in Latin, or thirty units in Latin plus fifteen units in Greek.

The completion of the major requirements for graduation carries with it the department recommendation for the Teacher's Certificate, provided that the Teachers' Course in the language chosen has been included in the work offered. Students in other departments who wish to secure a teaching major or minor in Latin or Greek should consult some member of the department.

A. GREEK COURSES

A1a. Elementary Greek.—Introduction to Greek through Attic prose. Essential forms; elements of Greek syntax; word-lists from Xenophon; writing of simple sentences; dictation; reading of easy Greek prose.
5 units, each quarter (MARTIN, HANSEN) MTWThF 8, 1:05
Autumn, 3; winter, 8 (2 sections); spring, 10

A2. Xenophon.—Review of Greek Grammar; reading of selections from the *Anabasis*. Open to those who have had A1*a*, A1*b*, or an equivalent.
3 or 5 units, autumn, winter, and spring quarters (MARTIN, MURRAY)
Autumn, 4; winter, 3; spring, 2

A2b. Elementary Greek.—Introduction to Greek through New Testament Greek. Word-lists; writing of simple sentences; reading of the Gospel of John.
5 units, spring quarter (MURRAY) MTWThF 11
Spring, 6

A3. Introduction to Homer.—Rapid reading of selected books from the Odyssey; informal discussion of Homeric problems, life, and criticism.
3 or 5 units, autumn and winter quarters (MARTIN)
Autumn, 6; winter, 2

A4. Plato.—Systematic review of Greek syntax; practical exercises written and oral; reading of Cebes' *Tablet*, Plato's *Apology* and *Crito*. Open to those who have had A2 or an equivalent.
5 units, spring quarter (MARTIN) [Not given in 1925–26]

A13. Individual Work.—Students and instructors meet each week for free reading in Greek suited to the needs of the individual.
1 to 3 units, each quarter (MARTIN, MURRAY) By arrangement
Autumn, 10; winter, 13 (3 groups); spring, 17 (2 groups); summer, 13 (3 groups)

A14. Prose Composition.—Exercises adapted to the particular needs of the individual student.
2 units, each quarter (MARTIN, MURRAY) By arrangement
Autumn, 5; winter, 7 (2 groups); spring, 10 (2 groups); summer, 2

[NOTE.—Three courses (9 or 15 units) chosen from the above with reference to the student's taste and preparation constitute the first year's work in Greek for those who have had no Greek before entering college, and may be counted toward the fulfillment of the foreign-language requirement of the Lower Division. Where possible it is strongly urged that this work be accomplished during the first two years of residence, especially by those who plan to become Greek majors in Classical Literature.]

A50. Greek Historians.—Selections from Herodotus; Thucydides, *Book VI;* Xenophon, *Hellenica;* Study of the Greek Historians. Open to those who have had A3, or an equivalent.
3 units, autumn quarter (MARTIN) [Not given in 1925–26]

A51. Rapid Reading.—Lucian's *Vera Historia* and selected orations of Lysias. Open to those who have had A4, or an equivalent.
2 units, spring quarter (MURRAY) [Not given in 1925–26]

A52. Introduction to Greek Poetry.—Selections from the Greek Lyric Poets. Open to those who have had A50, 51 or equivalent.
3 units, winter quarter (MARTIN) [Not given in 1925–26]

A53. Rapid Reading.—Selections from the Greek *Anthology* and *Bacchylides.* Open to those who have had A50, 51, or equivalent.
2 units, winter quarter (MARTIN) [Not given in 1925–26]

A54. Introduction to Greek Tragedy.—Euripides' *Alcestis* and Sophocles' *Antigone.* Open to those who have had A52, 53, or equivalent.
3 units, winter, spring, and summer quarters (MURRAY)
Winter, 6; spring, 6; summer, 2

A55. Rapid Reading.—Greek comedy. Selections from Aristophanes and Menander. Open to those who have had A52, 53, or equivalent.
2 units, autumn, winter, and spring quarters (MARTIN) By arrangement
Autumn, 3; winter, 3; spring, 2

[NOTE.—Courses A50–55 (9 or 15 units) constitute the second year's work in Greek for those who begin their Greek in the University.]

A100. Greek Lyric Poetry.
2 units, summer quarter (FAIRCLOUGH) TTh 8
Summer, 2

A101. Æschylus.—Reading of *Prometheus Bound* and *Agamemnon;* lectures.
3 units, spring quarter (MURRAY) [Not given in 1925–26]

A102. Plato.—Reading of the *Republic,* Books I and II; lectures.
3 units, winter quarter (FAIRCLOUGH) [Not given in 1925–26]

A103. Demosthenes.—Reading of the *De Corona;* sight translation of *Æschines Against Ctesiphon.*
3 units, spring quarter (MURRAY) [Not given in 1925–26]

A110. Theocritus.—Reading of the idylls in Greek and a survey of pastoral poetry in ancient and modern literature.
2 units, spring and summer quarters (FAIRCLOUGH) [Not given in 1925–26]

A111. Pausanias.—Reading of Book I and selections from other Books. Study of the topography and monuments of Athens, Delphi, Corinth, and Olympia.
2 units, autumn quarter (MARTIN) [Not given in 1925–26]

A112. Later Greek Epic.—Rapid reading in the *Argonautica* of Apollonius Rhodius, and the *Posthomerica* of Quintus Smyrnæus.
2 units, summer quarter (MARTIN) [Not given in 1925–26]

A200. Teachers' Course.—Lectures on methods, with practical training.
2 units, spring quarter (MARTIN) By arrangement
Spring, 1

A220. Modern Greek.—Grammar (Rangabe); reading of easy texts.
2 units, winter and spring quarters (FAIRCLOUGH, MARTIN) [Not given in 1925–26]

A225. Greek Epigraphy.
2 units, winter and spring quarters (MARTIN) By arrangement
Winter, 2; spring, 2

A250 (B250). Journal Club.—Advanced major students meet each week for the discussion of journals and new books of interest to classical students.
1 unit, winter and spring quarters (FAIRCLOUGH) [Not given in 1925–26]

A280. Greek Seminary.—Graduate students and advanced major students met each week for the reading of Pindar and the discussion of papers and reports presented by the members.
1 to 4 units, winter, spring, and summer quarters (MURRAY) By arrangement
Winter, 2; spring, 3; summer, 4

A290 (B290). Thesis Work.
(All members of the DEPARTMENT FACULTY) By arrangement

B. LATIN COURSES

B1. Introduction to Latin.—Grammar and exercises. For students who have had no Latin. May be taken (with B2–B6) in fulfillment of the foreign-language requirement of the Lower Division.
5 units, autumn quarter (HANSEN) MTWThF 1
Autumn, 12

B2. Introduction to Latin (continued).—Reading of easy prose, exercises in composition, Caesar begun.
5 units, winter quarter (HANSEN) MTWThF 1
Winter, 10

B3. Introduction to Latin (concluded).—Caesar's *Gallic War,* Books I–IV, or selections from the Gallic and Civil wars; exercises in composition.
5 units, spring quarter (HENRY, HANSEN) MTWThF 1
Spring, 6

B4. Cicero.—Selected orations. Open to students who have had two years of high-school Latin. May be taken (with B5 and B6) in fulfillment of the foreign-language requirement of the Lower Division.
3 units, autumn quarter (ELMORE) MWF 11
Autumn, 6

B5. Virgil.—Selected books of the *Æneid.* Open to students who have had two years of high-school Latin.
3 units, winter quarter (HENRY) MWF 9
Winter, 8

B6. Ovid.—A continuation of B5, but may be taken by any student who has had two years of high-school Latin.
3 units, spring quarter (FOSTER) By arrangement
Spring, 11

B13. Individual Work.
2 units, autumn and spring quarters (ELMORE) By arrangement
Autumn, 6; spring, 2

B14. Terence and Cicero.—The *Andria* of Terence and the *De Senectute* of Cicero. Open to those who have had three years of high-school Latin or have taken B4–6.
4 units, autumn quarter (ELMORE) MTWF 9
Autumn, 7

B15. Catullus and Horace.—Selections from Catullus and from the *Odes* and *Epodes* of Horace. Open to those who have had three years of high-school Latin or have taken B4–6.
3 units, winter quarter (ELMORE, FOSTER) MWF 9
Winter, 9

B16. Livy.—Books XXI and XXII. The war with Hannibal to the battle of Cannæ. Open to those who have had three years of high-school Latin or have taken B4–6.
3 units, spring quarter (FOSTER) [Not given in 1925–26]

B17. Catullus and Tibullus.
3 units, spring and summer quarters (FOSTER) MWF 9
Spring, 7; summer, 5

B29. Prose Composition.—The exercises are not based on a Latin text, but are drawn from present-day affairs and events, with the aim of imparting some facility in original composition. Open to those who have had three years of high-school Latin, or have taken Courses B4–6.
2 units, autumn and winter quarters (ELMORE) TTh 9
Autumn, 7; winter, 12

B40. Horace.—*Satires* and *Epistles.* Attention is directed especially to the style and subject matter, to Horace's influence on Latin literature, and to the salient features of the Augustan Age. Open to those who have had B14–16 or an equivalent.
3 units, winter quarter (MARTIN) MWF 8
Winter, 6

B41. Tacitus.—*Annals* XIII–XVI. The life and times of the Emperor Nero. Open to those who have had B14–16 or an equivalent.
3 units, summer quarter (FOSTER)
Summer, 2

B42. Justinian.—The *Institutes* are read and discussed. Of special value to students of law and social institutions.
2 units, winter and spring quarters (FAIRCLOUGH) [Not given in 1925–26]

B103. Cicero.—Selections from the correspondence of Cicero, illustrative of the man and his age. Open to those who have had two years of college Latin.
3 units, spring quarter (FOSTER) MWF 8
Spring, 2

B116. Lucretius.—Selections from the *de Rerum Natura,* with informal discussions of the Epicurean philosophy and the art of Lucretius.
4 units, autumn quarter (FOSTER) [Not given in 1925–26]

B118. Seneca and Pliny.—Selections from the essays of Seneca and the letters of the younger Pliny.
3 units, autumn and summer quarters (FAIRCLOUGH, ELMORE, MARTIN)
Autumn, 8 (2 groups); summer, 1

B124. Juvenal and Martial.—The first, third, and tenth satires of Juvenal, and selected epigrams of Martial. Open to those who have had two years of college Latin.
3 units, winter quarter (ELMORE) MWF 8
Winter, 5

B136. Roman Comedy.—The *Captivi* and *Rudens* of Plautus, and either the *Trinummus* of Plautus or the *Phormio* of Terence. Open to those who have had two years of college Latin.
3 units, autumn quarter (FAIRCLOUGH) [Not given in 1925–26]

B138. Petronius and Apuleius.—The *Cena Trimalchionis* and selections from the *Metamorphoses.*
3 units, winter quarter (FOSTER) [Not given in 1925–26]

B145. Medieval Latin.—Reading of representative texts with informal discussions. Intended for Latin students interested in the later development

of the language and for students of English and history working in the medieval field.
3 units, spring quarter (ELMORE) MWF 11
Spring, 5

B200. Teachers' Course.—Lectures and conferences on methods of teaching Latin. Open only to advanced students.
2 units, spring quarter (ELMORE) TTh 11
Spring, 4

B225. Latin Epigraphy.—Lectures, with practice in the reading of inscriptions and in the use of the Corpus. Primarily for graduate students.
2 units, autumn and winter quarters (MARTIN) By arrangement
Autumn, 3; winter, 3

B230. Latin Palæography.—The ancient and the medieval book, with practical exercises in the reading of facsimiles.
2 units, summer quarter (FOSTER)
Summer, 4

B250 (A250). Journal Club.
[Not given in 1925–26]

B278. Latin Seminary.—The first decade of Livy. An introduction to the study of Livy's style, with some practice in text-criticism and interpretation.
4 units, summer quarter (FOSTER) [Not given in 1925–26]

B280. Latin Seminary.—Caesar's *Commentaries on the Gallic War* will be used as the basis of an introduction to the methods of text-criticism and interpretation. Practice in the decipherment and collation of MSS from facsimiles and in the use of the apparatus criticus. Open to qualified graduates.
4 units, summer quarter (FOSTER) [Not given in 1925–26]

B281. Latin Seminary. Lyric Poetry.—Literary types and Greek models.
4 units, autumn quarter (ELMORE) TTh 1:15
Autumn, 3

B282. Latin Seminary.—The elegiac poets. Lectures on the development of elegiac poetry among the Greeks and Romans; reading and interpretation of the elegiac poems of Catullus, Tibullus, and Propertius.
4 units, spring quarter (FOSTER)
Spring, 3

B283. Latin Seminary.—Terence. Open to qualified graduates.
4 units, summer quarter (FAIRCLOUGH)
Summer, 7

B284. Latin Seminary.—Study of Roman municipal institutions. Based on the extant fragments of municipal charters, the Municipal Law of Julius Caesar and other inscriptions, and the literary sources. Intended for students of Latin and others interested in the history of institutions.
3 units, summer quarter (ELMORE) [Not given in 1925–26]

B285. Latin Seminary.—Catullus.
4 units, winter quarter (ELMORE)
Winter, 4

B290 (A290). Thesis Work.
Autumn, 1; winter, 1 By arrangement

[Tacitus' Germania.—See Germanic Languages 195.]

C. GENERAL COURSES

C1. History of Greece.—Outline course, from the earliest period to 30 B.C. Preliminary survey of the Mediterranean background. Open to all students.
3 units, autumn quarter (ELMORE) MWF 8
Autumn, 85

C2. Greek History A.—From the earliest times to the end of the Persian wars. Lectures, with a study of Herodotus in English translation.
3 units, autumn quarter (MARTIN) MWF 11
Autumn, 61

C3. Greek History B.—The Fifth Century. From the end of the Persian wars to the fall of the Athenian empire. Lectures, with a study of Plutarch and Thucydides in English translations.
3 units, winter quarter (MARTIN) [Not given in 1925–26]

C4. Greek History C.—The Fourth Century. From the fall of Athens to the death of Alexander. Lectures, with a study of Xenophon, Plutarch, Demosthenes, and Arrian in English translations.
3 units, spring quarter (MARTIN) [Not given in 1925–26]

C5. History of Rome.—From the earliest times to the fall of the Western empire. Development of Roman imperialism and the relation of the empire to medieval and modern history. Open to all students.
3 units, spring quarter (ELMORE) MWF 8
Spring, 34

C6. History of Roman Civilization.—Study of the conditions of Roman life and comparisons with those of our own. Features of Roman civilization that have survived and influenced the present. Open to all students.
3 units, winter quarter (ELMORE) MWF 8
Winter, 53

C8. Roman Political and Municipal Institutions.—Brief survey of the government of Rome. Development of municipalities in the Roman Empire.
2 units, winter quarter (ELMORE) [Not given in 1925–26]

C9. The Greek Heritage.—A rapid survey of various phases of Greek civilization with some reference to the survivals of Greek culture in our own life and thought.
2 units, spring quarter (MARTIN) TTh 11
Spring, 87

C10. History of Greek Literature.—Lectures, with the reading in translation of representative authors. Open to all students.
3 units, summer quarter (FAIRCLOUGH) [Not given in 1925–26]

C20. Greek Literature, Poets.—Lectures; reading in translations of selections from the greater Greek poets with some reference to their influence on later literature. Open to all students.
3 units, autumn quarter (MARTIN) [Not given in 1925–26]

C21. Greek Literature, Poets.—Continued.
3 units, winter quarter (MARTIN) [Not given in 1925–26]

C22. Greek Literature, Prose Writers.—Lectures; reading in translations of selections from Herodotus, Thucydides, Xenophon, Plato, Demosthenes, Plutarch, and Lucian. Open to all students.
3 units, winter quarter (MARTIN) MWF 11
Winter, 50

C24. The Greek Epic.—Lectures on the poetry of Homer, with reading of both *Iliad* and *Odyssey* in English. Open to all students.
3 units, winter quarter (MURRAY) MWF 8
Winter, 72

C25. Greek Tragedy.—Lectures on the art of tragedy among the Greeks, with the study of selected plays in translation. Open to all students.
3 units, spring quarter (MURRAY) MWF 8
Spring, 66

C28. Greek Masterpieces.
3 units, summer quarter (MURRAY) MWF 8
Summer, 22

C36. New Testament Literature.—Lectures on the origin, authorship, and characteristics of the books of the New Testament. Open to all students.
3 units, spring quarter (FAIRCLOUGH, MURRAY) [Not given in 1925–26]

C37. Roman Literature of the Republic.—The chief poets and prose writers of republican Rome. Lectures and assigned readings in English translations. Open to all students.
2 units, spring and summer quarters (FOSTER) TTh 8
Spring, 45; summer, 13

C38. Roman Literature of the Empire.—Certain of the more important writers of the Augustan and post-Augustan periods. Lectures and assigned readings in English translations. Open to all students.
2 units, summer quarter (FOSTER) [Not given in 1925–26]

C39. Seminary in Ancient History.—Investigation of special problems in Greek and Roman history. Open to a limited number of qualified students.
3 units, spring quarter (ELMORE) [Not given in 1925–26]

C41. Greek and Roman Lyric Poetry.—Lectures with assigned reading. Open to students above the first year.
2 units, summer quarter (FAIRCLOUGH) [Not given in 1925–26]

C45. Greek Myths.—The more important myths and legendary characters of early Greece are traced through Greek literature with some reference to their treatment in later literature. Lectures with assigned reading. Open to all students.
3 units, spring quarter (MARTIN)
Spring, 75

C48. Greek and Roman Æsthetics.—Based chiefly on selections from the *Republic* and the *Phædrus* of Plato, Aristotle's *Poetics,* and the *Ars Poetica* of Horace. An attempt to show what Greek and Roman writers contributed to aesthetic theory and to illustrate some of their principles of literary criticism. Open to upperclassmen and to others on permission of the instructor.
2 units, spring quarter (ELMORE) TTh 2:05–3:05
Spring, 5

C50. Classical Art and Archaeology.—Lectures, illustrated with photographs and lantern slides. Open to all students.

a. Greek
2 units, summer quarter (FAIRCLOUGH) TTh 11
Summer, 25

b. Roman
2 units, spring quarter (FAIRCLOUGH) [Not given in 1925–26]

D. HEBREW COURSES

D1. Elementary Hebrew.—Introduction to Hebrew Grammar, word lists, verbs and nouns from strong roots, reading and analysis of the first chapter of Genesis.
2 units, winter quarter (Powell) TTh 2:05
Winter, 2

D2. Elementary Hebrew (continued).—The weak verb. Vocabularies. Reading and analysis of Genesis, chapters ii–iv.
2 units, winter and *spring quarters (Powell) TTh 2:05
Winter, 1; spring, 4

D3. Advanced Hebrew.—General survey of grammar. Reading of Genesis, chapters v–viii, and other prose sections.
2 units, spring quarter (Powell) TTh 3:05
Spring, 1

D4. Biblical Aramaic.
2 units, spring quarter (Powell) By arrangement
Spring, 1

ECONOMICS

Murray Shipley Wildman, Walter Greenwood Beach, Eliot Jones, Harley Leist Lutz, Albert Conser Whitaker, Professors
Charles Jesse Bullock (Harvard University), Acting Professor (Summer Quarter)
Joseph Stancliffe Davis, Alonzo Englebert Taylor, Directors of the Food Research Institute
John Bennet Canning, Associate Professor
Connell Clifford, Margaret Mulford Lothrop, Nathaniel Sanders, Henry Stow Anderson, Instructors
Wallace Wright, Acting Instructor (Summer Quarter)
Harold Walter Guest, Eliot Grinnel Mears, Holbrook Working, Lecturers
Donald Elliot Anthony, Victor Wilson Bennett, Truman Cicero Bigham, Charles A. Glover, Kathleen Condict Jackson, Joseph G. Knapp, Clifford Ernest Schink, Horace R. Wisely, Howard E. Wittenberg, Wallace Wright, Assistants in Instruction

Nature and Purpose.—The courses offered in this department are not confined to the subject of Economics as properly defined, but include a number of topics often given in departments of sociology and schools of commerce. In the conduct of all the courses, however, the economic factors are emphasized and their importance to our social institutions is developed. The primary purpose of the instruction is to discover the elements of sound public policy rather than to train for a vocation.

Graduation.—To arrange a program of study leading to the degree of Bachelor of Arts in Economics a student should consult with his departmental adviser in order that his program of work may be adapted to his special needs or interests. In making such a program at least a fourth of the required 180 units must be selected from courses offered in this department.

In addition to courses given in this department, certain others offered in Political Science, History, Law, and Philosophy will be found helpful and should be included in the student's program.

Course 1 (Elementary Economics) and Courses 100*a* and 100*b* (Principles of Economics) are required of all candidates for graduation in Economics.

Teacher's Certificate.—To obtain a teacher's certificate with the major subject in this department, a student will be required to secure credit for 45 units of work in Economics. For a certificate with a minor in this department, credit for 25 units is required.

Professional Training in Accounting.—Those interested in preparing themselves for practice as certified public accountants are advised to consult as early as possible with one of the staff offering courses in accounting.

Secretarial Training.—See courses at end of this list (p. 191).

Medical Social Work.—Opportunity for full time training in Medical Social Work is available at the Stanford University Clinics in San Francisco under the supervision of the director of Social Service. Opportunity will be given for experience in connection with the Children's Clinic, Women's Clinic, and the General Medical Clinics, as well as with the hospital.

COURSES PRIMARILY FOR LOWER DIVISION STUDENTS

1. Elementary Economics.—This is a brief study of problems involving the production, exchange, and use of wealth. An attempt will be made to give the student an approach to the economic issues of the day with an intelligent appreciation of the factors which make for sound public policy.

5 units, autumn, *winter, *spring and *summer quarters (WILDMAN, ANDERSON, ANTHONY, JACKSON, KNAPP, WRIGHT)

Autumn, 109 (3 sections); winter, 209 (5 sections); spring, 111 (3 sections); summer, 38

2. Elementary Sociology.—This course is an elementary study of social principles and problems which are found in human relations as expressed in social organization and institutions. Not open to first-year students.

5 units, autumn and winter quarters (BEACH)

Autumn, 111; winter, 110

3. Elementary Accounting.—Development of accounting; theory of debit and credit; bookkeeping forms and practice; preparation of balance sheets and their interpretation; application of theory and principle to simple system of accounts; practical accounting problems. No prerequisites. This course should be taken by students expecting to enter Courses 29 and 120. Sections limited to 40 students.

5 units, autumn, *winter, *spring, and *summer quarters (BENNETT, SCHINK, WISELY, WITTENBERG, WRIGHT)

Autumn, 94 (3 sections); winter, 98 (3 sections); spring, 110 (3 sections); summer, 19

5. Railway Transportation.—Historical account of railroad transportation; rates and rate making; development of railroad systems; state and federal legislation; decisions of the commissions and of the courts; government ownership and operation. Not open to first-year students.

5 units, autumn quarter (JONES)

Autumn, 91

6. Introduction to Statistical Methods.—A study of elementary statistical methods appropriate for dealing with problems in the social sciences and business. Emphasis will be given to the critical examination of data, to the defining of statistical units, to the theory of classification, to the properties and appropriate uses of the commoner averages, and to the determination and interpretation of index numbers.

[Not given in 1925–26]

21. Public Finance.—A general course dealing with the history and theory of public expenditures, national, state, and local budgets, methods of securing efficiency in the disbursements of public moneys, public debts, and war finance.

5 units, autumn and summer quarters (LUTZ, BULLOCK)
Autumn, 92; summer, 28

22. Labor Problems.—A general course. The topics considered include the following: the rise of the wage-earning class, the industrial revolution, unemployment, woman and child labor, wages, collective bargaining, labor motives, and cultural aspects of labor life.

5 units, spring quarter (BEACH) MTWTh 9
Spring, 126

24. Problems of Agriculture.—A study of the economic forces and institutions with which the farmer is concerned.

5 units, spring quarter (ANDERSON) MTWTh 8
Spring, 108

26. Money and Banking.—The elements of monetary theory; the laws of coinage, legal tender, and credit; the history and principles of banking.

5 units, autumn quarter (WILDMAN)
Autumn, 151

29. Intermediate Accounting.—The accounts peculiar to the modern business corporation; and the procedure necessary to report the performance (1) of administrative officers to boards of directors, and (2) of boards of directors to the body of stockholders. Prerequisite: Course 3 or its equivalent. Limited to 40 students.

5 units, autumn, *winter, *spring, and *summer quarters (WITTENBERG, WISELY)
Autumn, 27; winter, 27; spring, 17; summer, 2

46. Economic History of the United States.—A general historical survey of the economic development of the United States from the colonial period to the present. The subject matter of the course includes the tariff, commerce and manufactures, currency and banking, the South and slavery, the financial management of the government, the labor movement and immigration, and the conservation of national resources.

5 units, autumn quarter (LUTZ)
Autumn, 122

47. Taxation.—A general treatment of the principles and practice of taxation, with special reference to American methods and conditions.

5 units, winter quarter (LUTZ)
Winter, 50

[**Business Law.**—See Courses 100 and 101 in the Law School.]

COURSES PRIMARILY FOR UPPER DIVISION UNDERGRADUATES

100a. Principles of Economics.—A review of the principles of economics. Required of economics majors and open only to them and to graduate students of other departments.

5 units, autumn, winter, spring, and summer quarters (WILDMAN, BIGHAM, CLIFFORD, JONES, WRIGHT)
Autumn, 73 (2 sections); winter, 64 (2 sections); spring, 13; summer, 13

100b. Principles of Economics.—This is a continuation of the work begun in 100*a* and is required for graduation in Economics. Open to seniors and graduates.

5 units, winter, spring, and summer quarters (Anderson, Jones, Lutz, Wright)
Winter, 66 (2 sections); spring, 38; summer, 18

103. Care of Dependents.—A study of the problems of the care of dependents and defectives in institutions and in their homes, with special reference to conditions in California. Three trips of inspection will be required.

5 units, summer quarter (Lothrop)
Summer, 28

104. Problems of Poverty.—A study of the factors causing poverty, crime, disease, and mental defectiveness, as evidences of social maladjustment; a survey of the possible means of prevention and of the social agencies attempting such work, with special reference to California. Trips of inspection will be included.

4 units, spring quarter (Lothrop) MTWTh 10
Spring, 23

105. Crime as a Social Problem.—A study of the problems of crime: the psychological basis, the historical development and the new scientific approach in the treatment of delinquents in the courts and in institutions, with special reference to conditions in California. Three trips of inspection of institutions will be required.

5 units, winter quarter (Lothrop)
Winter, 59

106. Foreign Exchange.—A study of the system of settling international indebtedness; principles and practice of exchange banking; money markets of the world and their relations. Domestic exchange will also be considered.

5 units, summer quarter (Whitaker)
Summer, 43

109. Advanced Accounting.—The valuation of fixed assets of private enterprises, and the distribution among accounting periods of costs and losses incurred in connection with investment in fixed assets. Special emphasis will be given to valuation for purposes of purchase and sale of a business, and purposes of corporate combination or reorganization. Prerequisite: intermediate accounting or its equivalent.

5 units, spring quarter (Canning) MTWTh 10
Spring, 25

113. Introduction to Cost Accounting.—The nature and classification of cost, methods of cost measurement and allocation to output. Prerequisite: intermediate accounting or the equivalent.

5 units, autumn quarter (Bennett)
Autumn, 18

114. Introduction to Social Investigation.—A brief survey of the resources of the library and of the methods used in Documentary Research, Case Work, and Social Surveys.

3 units, spring quarter (Lothrop) MWF 9
Spring, 3

115. Psychological Aspects of Sociology.—This course is a study of the organization of society from the point of view of mental interrelationships of society and the individual. Problems of association, leadership, conflict, co-operation, the formation of public opinion, and social progress will be considered. An elementary knowledge of sociology and psychology is assumed.

(Beach) [Not given in 1925–26]

117. Problems of Child Welfare.—A brief survey of problems of child protection and care outside of the school, with special reference to conditions in California. This course is designed for teachers or for those interested in child welfare who cannot take the full courses. Two trips of inspection will be required.

a. Problems of Health and of Child Labor.—Not open to those taking Economics 104 for the full quarter, but open to those taking Economics 104 for the first half only.

1 unit, summer quarter, first half (LOTHROP)
Summer, 7

b. The Care of Dependent, Defective, and Delinquent Children.—Not open to those who have taken Economics 104 and 105.

3 units, summer quarter (LOTHROP) [Not given in 1925–26]

118. Seminar in Social Problems.—Opportunity for intensive library investigation of some problems in applied sociology.

3 units, winter and spring quarters (LOTHROP)
Winter, 7; spring, 1

119. Accountancy of Investment.—Methods of valuing income-bearing properties and securities on the basis of a rate of interest, and of finding the rate of interest yielded on investments. Depreciation and sinking funds. The student's work will consist largely in the solution of assigned problems. Advanced mathematics not required.

5 units, spring and summer quarters (WHITAKER) MTWTh 11
Spring, 86; summer, 15

120. Corporation and Trust Finance.—Elementary survey of corporation law; the organization and management of corporations and combinations; the corporation's securities, the stock market and stock speculation; financial policy; promotion, underwriting, and reorganization.

5 units, winter quarter (WHITAKER)
Winter, 226

121. Food Resources of the World.—The factors determining the production and distribution of food products.

(TAYLOR) [Not given in 1925–26]

126. Population.—A study of the theories of population and problems of quantity, quality, distribution, and standards of living in modern society.

5 units, autumn quarter (BEACH)
Autumn, 44

127. Social Evolution, Culture, and Progress.—A study of the factors and forces involved in the organization and modification of society. The meaning of culture, the nature of social change, the development of institutions, and the direction of progress are emphasized. An elementary knowledge of sociology and psychology is required. Open to seniors and graduates.

5 units, spring quarter (BEACH) MTWTh 11
Spring, 22

129. Co-operative Marketing.—Fundamental principles peculiar to the distribution of farm products by American and foreign co-operative marketing associations.

5 units, spring quarter (MEARS) MTWTh 9
Spring, 80

148. Federal Tax Procedure.—The Accounting Procedure appropriate for determining amounts of taxes payable under the provisions of the Federal

Revenue Acts of 1921 and 1924. Prerequisites: Courses 3 and 29 or their equivalent.
5 units, winter quarter (CLIFFORD)
Winter, 23

COURSES PRIMARILY FOR GRADUATE STUDENTS

201. Graduate Seminar.—Open only to candidates for higher degrees.
Spring and summer quarters (WILDMAN) By arrangement
Spring, 3; summer, 4

202. Seminar in Transportation.—This seminar is designed for advanced students.
Spring quarter (JONES) By arrangement
Spring, 3

203. Seminar in Sociological Theory.—This seminar is designed for advanced students.
Autumn and spring quarters (BEACH) By arrangement
Autumn, 7; spring, 1

204. Seminar in Labor.—Designed for advanced students.
(BEACH) [Not given in 1925–26]

205. Seminar in Economic Research.—Open to qualified students.
Autumn, winter, and spring quarters (DAVIS) [Not given in 1925–26]

208. Seminar in Social Problems.
2 units, summer quarter (LOTHROP) By arrangement
Summer, 8

208a and b. Seminar in Public Finance and Taxation.—This course will afford opportunity for independent reading and research in the general field of public finance. Periodic conferences will be held for discussion and criticism of the results of each student's investigations. Wide freedom of choice of topics will be permitted, subject only to the limitation of available library and field material.
Winter and spring quarters (LUTZ) By arrangement
Winter, 3; spring, 8

209ab. Seminar.—Journal club and graduate seminar in economic argumentation and exposition. Student may enter or leave any quarter.
5 units, winter and spring quarters (WHITAKER)
Winter, 11; spring, 10

210. Accounting Problems.—Methods appropriate for recording and reporting divers classes of transaction to which anyone is likely to be a party but which constitute the principal business of few persons. Such transactions as those between corporation and underwriter, principal and broker, bankrupt and referee and trustee in bankruptcy, trustee and beneficiary, insurer and insured (following a loss), etc., will be discussed. Liberal use will be made of problems set in recent examinations for Certified Public Accountants. Prerequisite: consent of the instructor.
5 units, winter quarter (CANNING)
Winter, 5

211. Seminar in Economic Problems of the Pacific Coast.—Open to advanced students.
Autumn quarter (MEARS) By arrangement
Autumn, 8

212. Banking.—The operation of the banks under the Federal Reserve Act and a comparison of American with European practice.
3 units, summer quarter (WILDMAN)
Summer, 9

213abc. History of Economic Thought.—A comparison of the works of the most prominent writers in the development of the science.
3 units, autumn, winter, and spring quarters (GUEST)
Autumn, 6; winter, 9; spring, 3

214. Investments.—A study of the issues of national, state, and municipal governments, of railway, industrial, and irrigation companies from the investor's point of view, and the organization and methods of bond and brokerage houses.
5 units, spring quarter (WILDMAN) MTWTh 8
Spring, 48

216. Immigration.—A general introduction to the study of immigration, but with special reference to the composition of the American population and to the economic and social problems involved in the mingling of people of economic standards, and of cultures in the United States. An elementary acquaintance with the field is assumed.
5 units, winter quarter (BEACH)
Winter, 9

217. Railway Problems.—A study, from the viewpoint of public policy, of the problems that arise in connection with government regulation and government ownership. Prerequisite: Course 5.
2 units, winter quarter (JONES)
Winter, 10

218. Railway Administration.—A study, from the viewpoint of the railroad executive, of railway organization, operation, traffic, finance, accounts, rates, and labor relationships. Prerequisite: Course 5.
2 units, winter quarter (JONES)
Winter, 11

219. Elementary Theory of Accounts.
5 units, autumn quarter (CANNING) MTWTh 9
Autumn, 15

220. Accounting Reports.—A discussion of the balance sheet, of the loss and gain statement, of the statement of application of funds, and of progress reports, with reference to the interests of the stockholder, the short-term creditor (chiefly the banker), and the bondholder. Prerequisite: intermediate accounting or the equivalent.
5 units, autumn and winter quarters (CANNING)
Autumn, 8; winter, 24

221a and b. Seminar in Accounting.—Research in approved problems in the theory and practice of accountancy. Credit for *221a* will not be given until *221b* is concluded. Prerequisite: consent of the instructor.
Winter and spring quarters By arrangement
Winter, 4; spring, 3

222. Introduction to Auditing.—Training for two classes of students is contemplated: (1) those who intend to become professional accountants; and (2) those whose future work as bankers, credit managers, investors, etc., will involve frequent interpretation of the accounts and accounting documents of others. Purposes of audits, kinds of audits, processes of auditing, auditor's reports, and the legal and ethical duties of auditors to clients and to the public will be discussed. Practice work in auditing will be sought. Prerequisites: Course 29, and consent of the instructor.
5 units, spring quarter (WITTENBERG) MTWTh 9
Spring, 5

223. Accounting Reports.
5 units, spring quarter (CANNING) MTWTh 11
Spring, 5

225. Public Utilities.—A study of the problems that arise in connection with the regulation of public utility companies (electric light and power, gas, street railway, telephone, and water).
4 units, spring quarter (JONES) MW 2:05–4:05
Spring, 6

235. Social Legislation in California.—A survey of the laws in California affecting social welfare, and the problems underlying these laws: Housing, Child Labor, Workmen's Compensation, Juvenile Court, etc.
1 unit, winter quarter (LOTHROP)
Winter, 1

239. Price Forecasting.—A study of the business cycle; and practical problems in the application of statistical and economic information in the forecasting of prices.
3 units, winter quarter (WORKING)
Winter, 19

241. History of Economic Thought.—The early history of economic thought. Lectures and a critical reading of leading authors from the Greeks to Adam Smith.
5 units, summer quarter (BULLOCK)
Summer, 18

245. Consolidated Reports.—Accounting principles involved in the construction of consolidated balance sheets and consolidated income statements.
Summer quarter (GLOVER) By arrangement
Summer, 3

SECRETARIAL TRAINING

AI. Secretarial Training.—This course offers training in stenography and typewriting, supplemented by instruction in the form, arrangement, and the general mechanical make-up of the business letter. Credit for any of the courses in secretarial training is not accepted in fulfillment of the departmental requirements for graduation, but may count as part of the University requirement for the degree. Four hours' instruction a week in stenography and three in typewriting. Open to Lower Division students.
4 units, autumn, *winter, *spring, and *summer quarters (SANDERS)
Autumn, 29; winter, 27; spring, 41; summer, 14

AII. Secretarial Training.—Development of speed with accuracy on the typewriter, coupled with ability to take stenographic dictation at the rate of 75 words a minute. Open to those who have completed AI or its equivalent.
4 units, autumn, *winter, *spring, and *summer quarters (SANDERS)
Autumn, 7; winter, 15; spring, 11; summer, 5

AIII. Secretarial Training.—In the autumn quarter this course will be given without shorthand. An intensive study will be made of the business letter and the business report through the use of a textbook and a syllabus. No prerequisite. In the spring quarter it will be given as an advanced course in shorthand. Emphasis will be laid on the development of technical skill in shorthand and typewriting. Either course may be taken with or without typewriting. The shorthand course is open to those who have completed AII or its equivalent.
3 units, autumn, *winter, and *spring quarters (without typewriting)
4 units (with typewriting)
Autumn, 23; winter, 5; spring, 17

AIV. Teachers' Course.—Designed for students preparing to teach the commercial subjects. Discussion of the methods of teaching shorthand,

typewriting, bookkeeping, and kindred commercial branches. Lectures, discussions, and demonstrations. Credit for this course is not accepted in fulfillment of the departmental requirements for graduation, but may count as part of the 23 prescribed units in education for the teacher's certificate. Prerequisite: Economics AI, AII, AIII, and 3 or their equivalent.

3 units, autumn and *winter quarters (SANDERS)
Autumn, 4; winter, 2

EDUCATION

SCHOOL OF EDUCATION

The purpose of the School of Education is to enable the University to meet the legitimate demands of the State in the matter of the preparation, training, and certification of teachers and school officers. The faculty of the School is composed of the faculty of the Department of Education, together with representatives from other departments concerned with the preparation of teachers for the junior high schools and secondary schools; and the faculty of the School has outlined courses for preparation in both majors and minors which will lead to certification as teachers. A special announcement of the School, giving details as to its organization, requirements, and programs of study, will be mailed on request.

Of this School, the faculty of the Department of Education proper constitutes one division, and the faculty of the Division of Graphic Art another division.

DEPARTMENT OF EDUCATION

ELLWOOD PATTERSON CUBBERLEY, TRUMAN LEE KELLEY, JESSE BRUNDAGE SEARS, Professors

[LEWIS MADISON TERMAN, Professor of Psychology]

FRED CARLETON AYER (University of Washington), MARION REX TRABUE (University of North Carolina), Acting Professors (Summer Quarter)

JOHN CONRAD ALMACK, PERCY ERWIN DAVIDSON, WILLIAM MARTIN PROCTOR, Associate Professors

[CALVIN P. STONE, Associate Professor of Psychology]

HARL R. DOUGLASS (University of Oregon), WALTER CROSBY EELLS (Whitman College), Acting Associate Professors (Summer Quarter)

[MAUD AMANDA MERRILL, Assistant Professor of Psychology]

FRANK HENRY BOREN (University of California), CLARENCE ROBERT STONE, FRANK WATERS THOMAS (Fresno State Teachers College), CHARLES RALPH TUPPER, Acting Assistant Professors (Summer Quarter)

JOHN C. BESWICK, GEORGE EARL FREELAND, IRA WESLEY KIBBY, MAUDE IRENE MURCHIE, NICHOLAS RICCIARDI, RICHARD J. WERNER, Lecturers.

CHARLES N. REYNOLDS, MILES ALBERT TINKER, Acting Instructors

[FRANKLIN SMITH FEARING, Instructor in Psychology]

CHARLES E. MCCLELLAN, AZARIAH BOODY SIAS, ELMER HUBERT STAFFELBACH, Teaching Fellows in School Administration

HAROLD R. BENJAMIN, Assistant in Practice Teaching

MILTON B. JENSEN, Assistant in Instruction

VAAL STARK, Assistant in Girl Scout Work

DOROTHY PUTNAM, Secretary of the Department and of the School of Education
MARGARET S. WELLS, Department Librarian

The Department of Education offers six main lines of work:

1. Courses of a general nature on the history, function, financing, and administration of public education, intended in part as information courses for the general university student and without reference to the work of teaching.

2. Courses intended to assist other departments in preparing their students for certification to teach in schools in California. All such students should confer with members of the Department of Education as to courses, but, in general, Courses 132, 133, and 180, are recommended, if the candidate has not had experience in teaching. Courses 150, 155, and 160 are required for the elementary certificate, with Course 196 added for the junior high school certificate. Courses 195 and 196 are required of all candidates for the high school teacher's recommendation, under the regulations of the California State Board of Education, as are Courses 199 and 201, if the candidate has not had previous experience in teaching. Courses 155 and 160 are also required for all forms of California certificates. (For a more detailed statement, see the *Announcement of the School of Education.*)

3. Five major courses, which may be followed by candidates for the high school teacher's recommendation, each counting as one of the required majors, and offering preparation along the following lines:

(*a*) History and Theory of Education. Intended for those desiring a general acquaintance with educational history and theory.

(*b*) High School Teacher. Intended for those taking the degree of Master of Arts under the faculty of the School of Education.

(*c*) High School Administration. Intended for those preparing for work as a high school principal.

(*d*) Administration of Education. Intended for those preparing for executive work in education as principal or superintendent of schools.

(*e*) Educational Research. Intended for those preparing to become directors of research in public school systems.

Each such major curriculum requires the completion of 45 units of work in the Department of Education; and the completion of some one of the five curricula is expected of those qualifying for the degree of Master of Arts in Education. (For an outline of each curriculum, see the *Announcement of the School of Education.*)

4. Courses primarily for major students, or those making Education a minor, and intended to give special preparation to (*a*) those who desire to become teachers of Education in normal schools or colleges, (*b*) those who desire to prepare to direct research work in training schools and public school systems, (*c*) those who wish to prepare for supervisory or administrative positions in the public schools, elementary or secondary, and (*d*) those who wish to prepare for special educational work in the elementary or secondary field. (See 3 above.)

5. Courses and research work, given in connection with the Department of Psychology, in the psychology and pedagogy of exceptional children. Two lines of work are offered in this field: (*a*) elementary courses designed to give prospective superintendents and principals a general acquaintance with the problems of special education, and (*b*) research courses for the

advanced student who looks forward to work as clinical psychologist in the public schools or institutions for defectives or delinquents. The Dr. C. Annette Buckel Foundation, supplemented by additional support from the Board of Trustees of the University, has provided for a "research fellowship in the psychology and pedagogy of backward children." A "research fellowship in the study of exceptional children" has also been provided. (See Department of Psychology.)

6. Courses for the preparation of teachers of drawing for the public schools, and for the general training of college students in artistic perception and graphic expression. (See Division of Graphic Art.) Students may enroll as prospective majors in this division, beginning with the freshman year.

The courses in Education are open to all students as electives, but only those who desire to prepare for one of the lines of work mentioned above under (3), (4), or (5), and whose preparation and experience are satisfactory to the department, will be accepted as major students. Only graduates of teachers' colleges, normal schools, or other teachers' training schools, or those having had teaching experience and having junior standing, will be accepted (except under special circumstances) as major students in Education during the undergraduate years. Graduate work in Education is open to all properly qualified students, without these restrictions.

MAJOR REQUIREMENTS

All students who expect to become candidates for any degree in Education will be expected to take the University intelligence examination, given at the beginning of each quarter. (The department will bear the expense of this test in the case of graduate students.)

Undergraduate Work.—Major students may begin their work in Education at the close of the sophomore year with Course 132. Psychology 51 and 165 should be taken early in the course. Collateral work will be advised to meet individual needs. A course in biological science and a course in the elements of Economics ordinarily will be required of all, though these are usually covered by Lower Division requirements.

For graduation the student must complete, in addition to the collateral work in other departments listed above, not less than thirty-five units of selected work in the Department of Education and satisfy the requirements of two teaching minors in the School of Education and outside the department. In certain cases one teaching major may be accepted in place of two teaching minors. Students coming with advanced or graduate standing from other universities may have substantially equivalent preparation or experience accepted in lieu of the courses and the major and minor work required here, and be permitted to do more advanced work instead.

First Graduate Year.—The requirements for the baccalaureate degree cover only introductions to the different fields of Education, and those proposing to offer themselves for responsible positions in educational work will be expected to proceed at once to the Master's degree. For this at least forty-five units of work will be required. Of this amount at least thirty units must be in Education in advance of the baccalaureate requirements, together with the presentation of a satisfactory thesis, and the satisfaction of the requirements for one of the teaching majors offered in Education will be required. Work listed below Course 175 ordinarily will not be included,

and ordinarily one-half of the thirty units must be work listed above Course 202. The completion of the first year of graduate study should mean a somewhat general acquaintance with the different fields of Education, together with the beginnings of specialization in some one or two of these. Those who desire to prepare properly for the type of positions indicated under 4 or 5 should proceed to the doctorate.

Second Graduate Year.—By the end of the second year of graduate study the student will be expected to have attained a mastery of the literature and practice in three of the following divisions of the subject: (1) History of Education, European and American, (2) Theory and Practice of Elementary Education, (3) Theory and Practice of Secondary Education, (4) Organization and Administration of Education, (5) Educational Psychology and Theory. Elementary Statistical Theory will be included in 2, 4, and 5. Students intending to proceed to the doctorate, either at once or later, may select one of these divisions as a major and one as a minor, and by the end of the second year of graduate study should also have completed in large part the required work in a second minor, outside of the department; should be able to satisfy the modern language requirements (German and French); and should be well started on the dissertation.

Any student may do two or more years of graduate work in Education, following the same courses as degree candidates, but without becoming a candidate for the Ph.D. degree.

Candidacy for the Degree of Doctor of Philosophy.—The minimum residence requirement for the degree is three years beyond the degree of Bachelor of Arts of which at least the last year must be spent at Stanford. Neither the time element nor the number of courses completed will be considered as acceptable unless the candidate also demonstrates the ability to do intensive work and to carry through an original research in a highly creditable manner. Evidence of broad general training also will be expected.

All who desire to proceed to the doctorate in Education will be expected to pass an oral or a written departmental test, or both, in three of the five divisions of the field, as given above. The departmental tests will extend beyond the range of the courses offered, and will involve a knowledge of the literature and practice in each field. Only those passing these tests and receiving an affirmative vote of the departmental faculty will be considered as accepted candidates for the degree of Doctor of Philosophy, and as such be recommended to the Dean of Graduate Study for the primary oral examination for candidacy for the degree of Doctor of Philosophy, as given by a special examining committee of the faculty and required by the University regulations as to graduate study. (See *Graduate Study* Bulletin.)

Third Graduate Year.—The final year will be devoted largely to personal investigation along the lines of the thesis subject, under the direction of the member or members of the department in charge.

Requirements for a Doctor of Philosophy Minor.—Unless otherwise arranged, candidates for the degree of Doctor of Philosophy in other departments, who elect a minor in Education, will be expected, in addition to offering evidence of practical experience in teaching, or school administration, to complete 45 units of work in Education in courses numbered above 174 (half of the work should be in courses listed above 202), and ordinarily to offer such courses along not more than two of the divisions of the field of Education, as listed above.

LIBRARY AND PRACTICAL FACILITIES

The general University Library contains the important recent books, files of the more important educational magazines, both American and foreign, and a collection of early American educational magazines and reports. The special library of the department, consisting of about 8,000 volumes, contains one of the most complete collections of American state and city school reports to be found in the United States, the library ranking probably third in this respect. It is also rich in old college and normal school catalogues and textbooks, of much historical value. The collection of old and present-day school textbooks is also large and valuable.

In practical facilities the department has good working connections with the State Teachers' College at San José, and with the public schools of the immediate vicinity. For more important studies by advanced students the large city school systems in the vicinity of the University can usually be made available.

The department also has good working connections with the Department of Psychology, by means of which laboratory facilities for research are fully available to all who need them.

I. COURSES OF INSTRUCTION IN EDUCATION

110. Girl Scout Training Course.—A practical course of training in the principles and practices of girl scout leadership.
2 units, winter quarter (STARK) TTh 2:10–3:40
Winter, 12

111. Girl Scout Leadership.—A continuation of the preceding course, with troop work, readings, and discussion of work.
2 units, summer quarter (STARK) TTh 1:15–2:40
Summer, 6

132. Introduction to the Study of Education.—A study of typical phases of the organization and administration of public education, with a view to presenting such a body of information relating to the work of our public schools as the citizen and the teacher ought to have, and at the same time making the course an introduction to the various fields of education. Lectures, following a text, and assigned readings and reports.
5 units, autumn quarter (STAFFELBACH) MTWThF 10
Autumn, 30

133. Educational Theory.—An introduction to a philosophy of education, construed as an integrated view of the conditions and purposes of educational effort; biological infancy, human endowment and culture, education in relation to the problems of social progress and conservation. Lectures, following a syllabus, with assigned readings.
5 units, winter quarter (DAVIDSON) MTWThF 10
Winter, 31

140. Intellectual Education and School Reform.—Superstition, credulity and irrational belief; propaganda; educational practice and policies for the cultivation of reflective thinking; intellectual motivation; interests: their nature, origin, and growth; the relation of interests and abilities, etc. The outstanding examples of school reform will be considered.
5 units, winter quarter (DAVIDSON) MTWThF 9
Winter, 17

142. Education and Character.—A study of the significance for education of the psychology of character. Growth and character; types and individual differences; principles of training; educative agencies.
5 units, summer quarter (DAVIDSON) MTWThF 11
Summer, 25

150. Principles of Elementary Education.—An elementary course, intended for those without much acquaintance with elementary school work, and primarily designed to meet the State Board of Education requirement for the Elementary Certificate.
3 units, spring quarter (FREELAND) MWF 3
Spring, 16

151. The Technique of Teaching.—The aims and objectives of education, working conditions, types of learning, and the general technique of elementary school organization, instruction, and control. Intended as a course in the method and management of instruction for those preparing for the elementary field.
2 units, spring quarter (ALMACK) TTh 11
Spring, 12

153. Elements of Measurement.—A general introductory course in educational measurements, and the elements of statistics and graphics. Intended for those preparing for the elementary field, and for the student who desires to obtain an elementary knowledge of the measurement movement.
5 units, spring quarter (JENSEN) MTWThF 10
Spring, 22

155. The California School System and Law.—A course on the development and chief features of the California school system, as outlined in the school law for the state. A required course for a teaching certificate of any grade in California.
3 units, spring quarter (CUBBERLEY) TWTh 4
3 units, *summer quarter, first half (BOREN) MTWThF 3
Spring, 116; summer, 106

160. Citizenship and Education.—A teacher's course, as outlined by the State Board of Education, and required of all candidates for a teaching certificate of any grade in California.
3 units, winter quarter (ALMACK) MWF 3
3 units, *summer quarter, first half (REYNOLDS) MTWThF 10
Winter, 109; summer, 124

165. Educational Psychology, Introductory.—A general introductory course intended primarily for teachers and undergraduate students. Lectures, demonstrations. Prerequisite: Course 51 or the equivalent.
6 units, autumn and *summer quarters (STONE, FEARING) Lectures, MWF 11
Autumn, 27; summer, 19 Laboratory MW 1:05–4:05

168. Growth and Development of the Child.—A study of the mental and physical growth and development of the school child, with special emphasis on physical development and the physical basis of education, the general laws of growth, physical defects, educational hygiene, the health of the school child, and preventive mental hygiene.
3 units, winter quarter (TINKER) MWF 9
3 units, *summer quarter, first half (TINKER) MTWThF 11
Winter, 39; summer, 77

170. Mental Deficiency.—The physical and mental traits of the feeble-minded; heredity; medical types; psychological diagnosis; the conduct of special classes, etc. The course will involve visitation of institutions for

defectives, observation of special cases, and demonstration tests. A part of the work will necessarily be done away from the University.
2½ units (MERRILL) [Not given in 1925–26]

172. Psychology and Treatment of Exceptional Children.—A study of bright and dull children. Prerequisite: Course 51, General Psychology, or the equivalent.
3 units, summer quarter (MERRILL) MWF 9
Summer, 20

175. Education and Modern Social Problems.—A discussion of principles in connection with the following topics: The distribution of educational opportunity; federal aid; education and industry; education and the problems of citizenship and nationality; Americanization of aliens; family, church, and school; liberal education; professional ethics; teachers' unions and organizations; the democratic principles in school administration.
5 units, spring quarter (DAVIDSON) MTWThF 9
Spring, 43

176. Silent and Oral Reading.—This course deals with the underlying science of reading; objectives of reading instruction, and principles of classification and method; specific aims, materials, and methods by periods in the elementary and secondary schools; plans for developing effective reading and study habits in other subjects; measurement, diagnosis, and remedial instruction. A practical course for teachers, principals, supervisors, and superintendents.

176a.—As above described, during first half.
3 units, summer quarter, first half (STONE) MTWThF 10
Summer, 20

During the last four weeks the class will be divided into two sections, as given below:

176b.—For teachers. A further consideration of the teaching aspects of the problem of instruction in reading.
1 unit, summer quarter, second half (STONE) MW 10
Summer, 9

176c.—For supervisors. A further consideration of the supervisory aspects of the problem of instruction in reading.
1 unit, summer quarter, second half (STONE) TTh 10
Summer, 6

[*176a* may be taken separately, and either *176b* or *176c* added, but the second part of the course cannot be registered for without the first.]

177. Rural Education.—A study of the social and economic factors involved in the development of rural institutional life; how these explain the present status of the larger administrative and supervisory problems of rural education; and the principles and practical methods essential to the solution of these problems.
3 units (ALMACK) [Not given in 1925–26]

178. Principles of Education.—A study of the biological and psychological principles underlying modern education, in connection with the demands of modern society in a complex social, economic, and scientific world, with the view to the formulation of a philosophy for the educational process. Class discussion, following the study of a text.
4 units, summer quarter (THOMAS) MTWTh 10
Summer, 24

180. History of Education in America.—A study of the evolution of American educational ideals and practices, with special reference to the

origin and development of those features of our present-day practices which are most characteristically American. Lectures, following a text, assigned readings, and the investigation of an assigned topic.

3 units, autumn quarter (ALMACK) MWF 9
4 units, *summer quarter (ALMACK) MTWTh 9
Autumn, 31; summer, 79

185. History of Education.—Includes both 185*a* and 185*b*, below.

5 units, summer quarter (CUBBERLEY) MTWTh 4
Summer, 57

185a. History of Education.—A study of the development of educational practices and traditions through the Greek, Roman, medieval, and early modern periods in Europe, with the chief emphasis on the foundations that underlie and the forces that have produced our western civilization and educational systems. Study of a text and sources, with discussions.

3 units, autumn quarter (CUBBERLEY) TWTh 4
Autumn, 32

185b. History of Education.—A continuation of Course 185*a*, dealing with the period from about 1750 to the present, tracing the evolution of modern state school systems, and studying the nineteenth century forces which have so profoundly modified life and education.

3 units, winter quarter (CUBBERLEY) TWTh 4
Winter, 15

188. Graphic Methods of Presenting Facts.—This course is designed to give practice in the methods which are serviceable in the popular portrayal of statistical data. In addition to graphic presentation, some attention will be devoted to a consideration of the merits of various tabular arrangements of material and to desirable methods of school publicity. There are no prerequisites to the course, but a knowledge of lettering is desirable. Intended primarily to show prospective school officers how best to display statistical facts.

2 or 3 units, summer quarter (TUPPER) MWF 1–2
Summer, 19

190. Elementary Statistical Methods.—A study will be made of the various kinds of statistical series and the properties of each. The purpose of the first part of the course will be to discover what constitutes the significant features of a body of data. Opportunity to obtain practice in the computation of the important constants of distributions will be given; also in the use of calculating machines and other aids to computation. The approach will be inductive, starting with measures and having as its object the discovery of the statistical resources which are available for making data reveal their story. Psychology 60 may be accepted instead of this course.

4 units, autumn and *summer quarters (KELLEY, EELLS) MTThF 8
Autumn, 39; summer, 56

191. Mental Tests.—An introductory course dealing with the principles and applications of intelligence tests and of methods of testing personality and character traits. Lectures and demonstrations. A course in statistical method must accompany or precede.

5 units, autumn quarter (TERMAN) MTWThF 11
5 units, *summer quarter (MERRILL) TThF 2–4
Autumn, 28; summer, 18

192. Administration and Interpretation of Educational Tests and Measurements.—An introductory course dealing with the detailed problems of administration and scoring of Educational Tests and Scales and

with the simpler problems of interpretation. No previous experience in Educational or Mental Measurements or Statistical Methods is presupposed.
4 units, autumn and summer quarters (KELLEY, TRABUE) MTThF 10
Autumn, 24; summer 87

195. Principles of Secondary Education.—A course dealing with the aims, purposes, and underlying principles of secondary education, intended for those preparing to teach in secondary schools, and required of all candidates for the California high school recommendation. Open to seniors and graduate students only.
3 units, autumn and *spring quarters (PROCTOR) MWF 8
3 units, *summer quarter, first half (BOREN) MTWThF 2
Autumn, 58; spring, 54; summer, 73

196. The Junior High School.—This course will deal with the development, organization, and administration of the junior high school. Methods of teaching, curriculum, types of buildings, etc., will be considered. Particularly designed for those who are candidates for intermediate certificates, or expect to become supervising principals.
3 units, winter quarter (PROCTOR) MWF 8
3 units, *summer quarter, first half (DOUGLASS) MTWThF 8
Winter, 101; summer, 86

197. The Principles of Educational and Vocational Guidance.—The general principles underlying the guidance movement are taken up in this course. The relation of guidance to every phase of education—curriculum adjustment, social, civic, moral, aesthetic, and vocational—will be considered. Mental tests, achievement, trade and vocational ability tests will be explained as they relate to the exploration of pupil ability. Opportunity for actual practice in counseling will be given in connection with Course 210, during the spring quarter, for which Course 197 will be a prerequisite.
2 units, autumn and *summer quarters (PROCTOR) TTh 8
Autumn, 37; summer, 35

198. The Principles of Vocational Education.—Special emphasis will be given in this course to school problems in vocational education. The need for and the aims of vocational education as well as the various forms of vocational education will be considered. This course is intended for superintendents, principals, teachers, social workers, and others interested in the movement for broader forms of educational opportunity.
2 units, winter quarter (PROCTOR) TTh 8
Winter, 15

199. Methods and Management of Instruction.—A practical course in the methods and management of secondary instruction. The psychology of the high school subjects will be considered, and opportunity for directed observation of expert secondary instruction will be given. This course is intended to be a preparation for practice teaching, and should be taken before Course 201.
2 units, autumn and *spring quarters (BENJAMIN) TTh 9
Autumn, 60; spring, 49

201. Practice Teaching.—Practice in the handling of classes and the giving of instruction, with accompanying conferences, six units of credit in such work being required of all inexperienced teachers, by the rules of the State Board of Education, for a California High School Teacher's Recommendation. This may be arranged for at the University, at the State Teachers' College, San José, or at any state normal school in California. Those who desire to do practice teaching should secure from Professor

Proctor a blank form of application for a practice-teaching position, and fill out and file the same during the quarter preceding the one in which they desire to fulfill their practice-teaching requirement. Prospective cadet teachers should confer in advance with Professor Proctor. Conference with all practice teachers required each week.

3 units, autumn, *winter, and *spring quarters (PROCTOR, BENJAMIN)
Autumn, 50; winter, 96 (2 sections); spring, 54 Conference M 4:05–5

202. Criticism and Supervision of Instruction.—A few advanced students, who have had sufficient teaching experience, will be allowed to undertake the personal investigation, in the schools of the vicinity, of problems in instruction or supervision. Collateral reading and detailed written reports will be required. Enrollment only after conference with the instructor concerned.

1 unit, autumn, *winter, and *spring quarters (PROCTOR) By arrangement
Autumn, 7; winter, 9; spring, 10

203. Modern Methods in High School Teaching.—A course for principals, supervisors, experienced teachers, or prospective teachers who have had an elementary course in teaching methods and management. Reading, reports, discussion, and lectures on modern teaching methods, with a consideration of supervised or directed study, socialized methods, and problem-project teaching.

3 units, summer quarter, second half (DOUGLASS) MTWThF 8
Summer, 52

204. The High-School Curriculum.—A study of the underlying principles of curriculum making for secondary schools. The work will involve an investigation of current practices as exemplified by the work done in various American cities. The work of the various committees of the National Commission on the Reorganization of Secondary Education, relating to specific subjects and courses of study, will also be reviewed.

3 units, summer quarter (PROCTOR) MWF 10
Summer, 33

205. Administrative Problems in Secondary Education.—A number of practical problems relating to the administration of a secondary school, such as organization, curricula, teaching staff, community relationships, part-time education, etc., will be considered. A specific problem will be assigned for individual investigation by each student electing the course. Open to those who have had Course 195 or teaching experience, and especially intended for those preparing for administrative work in the secondary field.

3 units, summer quarter (PROCTOR) MWF 8
Summer, 55

206. Extra-Curricular Activities in High Schools.—In this course the guiding principles for the organization and administration of pupil activities in junior and senior high schools will be developed. Student participation in school government, athletic associations, honor societies, glee clubs, social and scientific clubs, school publications, and such supplementary school agencies as Boy and Girl Scouts, Junior Chamber of Commerce, Hi-Y, and Junior Red Cross, will be considered. The course should be of interest to high-school principals, vice-principals, and deans of boys and girls, as well as to high-school teachers preparing for the work of school counselors.

2 units, spring quarter (PROCTOR) TTh 8
Spring, 37

208. Reading Seminar in Work of High-School Principal.

2 units, autumn quarter (PROCTOR) TTh 9
Autumn, 11

209. Reading Seminar in Problems of High-School Administration.
2 units, winter quarter (PROCTOR) TTh 9
Winter, 11

210. Reading Seminar in Administration of Vocational Education and Guidance.—In addition to readings and discussions in the fields of vocational education and guidance, opportunity will be given for field work and practice in counseling high school pupils under the supervision of the regular counselors in nearby high schools. Course 197 prerequisite.
2 units, spring quarter (PROCTOR) TTh 9
Spring, 7

211. Organization and Administration of Vocational Education.—A symposium course, given by the California State Commissioner of Vocational Education and his staff, and dealing with the organization and objectives of vocational education in the secondary school. The course will be given in five divisions, each one week in length except the first, which will be two weeks.

a) The California State Plan for Vocational Education.—(NICHOLAS RICCIARDI, State Commissioner of Vocational Education)

b) Trade and Industrial Education.—(JOHN C. BESWICK, State Supervisor of Trade and Industrial Education)

c) Agricultural Education.—(RICHARD J. WERNER, State Supervisor of Agricultural Instruction)

d) Home-making Education.—(MAUDE I. MURCHIE, State Supervisor of Teacher-Training Courses in Home Economics)

e) Vocational Education for the Disabled.—(IRA W. KIBBY, State Supervisor of Vocational Education for the Disabled)

[This course will be accepted as a part of the required number of units necessary for the administrative and supervisory credential.]

3 units, summer quarter, first half (RICCIARDI, and STAFF) MTWThF 10
Summer, 44

212. Education and Character: Advanced.—A continuation of Courses 140 and 142. Open to students who have had either of these courses or its equivalent.
3 to 5 units, spring quarter (DAVIDSON) Hours to be arranged
Spring, 3

215a. Educational Psychology: Advanced.—Original endowment, mental development, individual differences in relation to heredity, sex, and environment. Lectures and class reports. Prerequisites: Psychology 51, 55 or 165, and either Psychology 60 or Education 190.
4 units, winter quarter (TERMAN) MWF 11
Winter, 13

215b. Educational Psychology: Advanced.—A critical survey of the literature of learning, formal discipline, and work and fatigue, with special reference to the school program. Lectures and class reports. Prerequisites: Psychology 51, 55 or 165, and either Psychology 60 or Education 190.
4 units, spring quarter (TERMAN) MWF 11
Spring, 10

220. Advanced Statistical Methods.—This is a continuation of Course 190 and will deal primarily with series of related measures. The statistical methods of analysis of correlated data and the means of combining several measures into total scores will be treated, with particular application to edu-

cational and mental test data and problems. Education 190, or Psychology 60, is a prerequisite.

4 units, winter and *summer quarters (KELLEY, TRABUE) — MTThF 8
Winter, 7; summer, 15

221. Advanced Statistical Methods.—This course is a continuation of Education 220. It deals especially with problems in multiple correlation and with the statistical treatment of known linear, skew, and categorical data. Course alternates with 270. Prerequisite: Education 220.

4 units, spring quarter (KELLEY) [Not given in 1925–26]
Spring, 6

223. Interpretation and Construction of Educational Tests and Measurements.—This is a continuation of Course 192, dealing in the main with the interpretation of test scores in a diagnostic manner. Methods for the utilization of various measures in Educational and Vocational Guidance Programs are indicated. Some attention is given to the methods of construction of Educational Tests. Courses 190, 192, and 225 or equivalents are presupposed.

2 units, winter and spring quarters (KELLEY) TTh 10
Winter, 9; spring, 5

225. Intelligence Tests.—An introductory course, dealing with the technique of intelligence testing, with emphasis on Binet procedure, tests, and practical applications. Prerequisites: Psychology 51, and either Psychology 60 or Education 190.

4 units, winter quarter (MERRILL) MTWTh 1–3
Winter, 18

226. Mental Test Practice.—The selection and use of mental tests, with laboratory practice and field work. Important types of tests will be subjected to experiment and critically evaluated. Prerequisites: Courses 60 or 190, 191 or 225, and one laboratory course.

4 units, spring quarter (MERRILL) MTWTh 1–3
Spring, 6

230. City School Administration.—A study of the educational, financial, and administrative principles underlying the proper organization, administration, and supervision of school systems in cities, with a view to the establishment of principles of action, together with a historical study of the origin of American administrative problems. A thesis on some problem in city school organization or administration, or a survey of some city school system, required of each student.

4 units, autumn and *summer quarters (CUBBERLEY) MTWTh 3
Autumn, 37; summer, 100

233. The Principal and His School.—A practical course, dealing with the organization and administration of a single school, the organization and supervision of instruction, school extension, community relationships, etc. Thesis on some administrative problem required of each student.

4 units, autumn quarter (ALMACK) MTThF 10
4 units, *summer quarter (TUPPER) MTThF 11
Autumn, 16; summer, 30

234. The Supervision of Instruction.—A critical study dealing with the technical improvement of teaching and the practical aspects of everyday supervision of classroom instruction. For present and prospective principals, superintendents, and special supervisors. Experience or special preliminary training a prerequisite.

The organization of supervision; standards for the improvement of teaching; studying the teacher; classroom visitation; helping the teacher; preteaching and follow-up conferences; supervisory routine; cases and problems in the criticism of teaching; personnel problems; lectures, text, and assigned readings.

4 units, summer quarter (AYER) MTThF 9
Summer, 68

235. School Surveys and Educational Diagnosis.—A study of the literature relating to school surveys and other forms of educational measurements as a basis for the investigation of practical problems in school administration and supervision. How to organize and conduct a school survey, what to look for, how to collect and interpret data, and how to set forth the results of the investigation will be important features of the course.

4 units, spring quarter (SEARS) MTWTh 2
Spring, 24

237. School Buildings and Building Programs.—A study of the fundamental problems involved in schoolhouse planning and construction, including standards of construction, unit cost, types of buildings, janitor service, and building surveys.

3 units, spring quarter (ALMACK) MWF 10
Spring, 19

240. The Elementary School Curriculum.—A study of the principles underlying the organization of subject matter for courses in the elementary school, including a critical examination of curricula, syllabi, and school texts in the light of their function in the teaching and administration of the curriculum.

2 to 3 units, summer quarter (ALMACK) TTh 10
Summer, 26

241. Seminar on Elementary School Curriculum.

2 units, winter and spring quarters (ALMACK) W 7:30 P.M.
Winter, 13; spring, 13

242. Organization and Supervision of Elementary Education.—A course dealing with the more important problems of organization, management, and supervision of the elementary school, including such topics as grade, departmental, group, and individual systems of class organization; typical promotion schemes; program making; time allotment; grades and marks; records and reports; attendance, and retardation.

4 units, summer quarter (SEARS) MTWTh 1
Summer, 41

247. Seminar in Social Problems.—Devoted to a study of problems in character study and character training, and to certain sociological aspects of public education. Open by permission.

3 to 5 units, summer quarter (DAVIDSON) WF 2–4
Summer, 17

250. State School Administration.—A study of the educational principles underlying the proper administration of school systems in states and counties, and involving a comparative study of the school laws and school systems of the various American states. The course includes a study of such topics as federal and state policy, forms of control, revenue and its apportionment, the state and the teacher, the state and the child, private and sectarian education, and state oversight and control.

4 units, winter quarter (CUBBERLEY) MTWTh 3
Winter, 20

255. Public School Finance.—A course on the financing of public education in the United States dealing with the main problems of expenditures, the cost of schools, education as an economic burden, revenues and their control, indebtedness, budget making, accounting, costing service, and financial reporting.

4 units, winter quarter (SEARS) MWF 9
4 units, *summer quarter (SEARS) MTWTh 2
Winter, 17; summer, 12

256. Seminar in Public School Finance.—Open to students of administration who are equipped to carry on investigation within this field.

3 to 5 units, spring quarter (SEARS) TWTh 1
Spring, 5

258. Administrative Problems of the City Superintendent.—A practical study of the administrative program in small and medium sized cities, with special emphasis on the daily problems which superintendents have to meet. For advanced students who have had a general course in the principles of school administration (230) and supervisory experience.

General assignment of current problems for classroom treatment. Special assignment to each student of a problem in administrative research for individual investigation and term report. A syllabus will be issued. The following topics will be treated: functional analysis of superintendents' duties, ex-officio activities, organization of the school program, staff relationships, curricular responsibilities, community relationships, child accounting, administrative research, school publicity.

4 units, summer quarter (AYER) MTThF 11
Summer, 23

260. Practical Administrative Problems.—A study and discussion of a number of practical problems in the organization and administration of a system of public instruction in cities. Limited to advanced students who have had Courses 230, 233, and 250, or their equivalents, and administrative experience.

3 units, spring quarter (CUBBERLEY) TWTh 3
Spring, 3

261. Seminar in Current Problems.—Open by permission.

1 unit, spring quarter (CUBBERLEY) Alt. Th 7:30 P.M.
Spring, 21

262. Seminar in Administrative Problems.—Open only to properly qualified students who have had satisfactory preliminary courses and experience in school administration.

4 units, winter quarter (SEARS) MWF 11
Winter, 4

267. Mental Development.—Seminar course. A critical survey of the most important studies of infancy, childhood, adolescence and senescence. Intended primarily for major students in Psychology and Education who are in the second or third year of graduate work. Alternates with Course 268.

2 units, winter and spring quarters (TERMAN) TTh 11
Winter, 11; spring, 9

268. Psychology of Endowment.—A seminar and thesis course. Tests of general intelligence, special abilities, character and personality; the psychology of genius; mental inheritance; race differences, etc. A two-quarter course. Intended for same class of students, and alternates with Course 267.

2 units (TERMAN) [Not given in 1925–26]

270. Psychometry.—Essentially a research course. Attention will be given to the analysis of mentality; to the measurement of interest; of special sensory capacity; and of certain specific habits and skills. The bearing upon problems of guidance will be stressed. Admission by permission of the instructor. Course alternates with Course 221.

4 units (KELLEY) [Not given in 1925–26]

285. Introduction to Thesis Work.—All students registering as candidates for the degree of Master of Arts will be expected to spend one quarter in thesis work, where training in finding materials, bibliography, thesis organization, etc., will be given, and the student guided to the selection and work on a problem.

1 to 2 units, autumn quarter (ALMACK) W 10
1 to 2 units, *summer quarter (ALMACK) W 9
Autumn, 22; summer, 59

286. The Ph.D. Thesis.—Students in Education or other departments working upon Doctor's dissertations who desire assistance in connection with the definition and handling of statistical problems may enroll in this course upon approval of the instructor. The work is individual and adapted to the student's special problems. Each student is called upon to make a report each quarter upon the statistical phases of his investigation. This course is intended for the special help of Ph.D. students in Education, or in other departments, whose theses involve statistical procedure, and is not intended to take the place of registration for research work with individual professors. Education students should register for such work under Courses 290–99 below.

2 units, winter and spring quarters (KELLEY) MF 10
Winter, 5; spring, 9

290–99. Special Courses.—In addition to the courses listed above, special work in independent investigation will be provided for students prepared to do such advanced work, the nature of the investigation being determined by the student's preparation and needs. Permission to register for any of the following special courses, and the number of units of credit to be given, is subject to individual arrangement. Meetings of the different groups will be arranged for from time to time, usually in the evenings, for reports as to progress, discussion, and criticism.

The members of the instructing staff stand ready to supervise independent investigations in the following fields:

290. *Problems in the history of education.* (CUBBERLEY)

291. *Problems in the theory of education.* (DAVIDSON)

292. *Problems in the organization and administration of rural and county-unit education.* (ALMACK)

293. *Problems in the organization and administration of elementary education.* (ALMACK, SEARS)

294. *Problems in the organization and administration of secondary education and vocational education and guidance.* (PROCTOR)

295. *Problems in state, county, and city school organization and administration.* (AYER, CUBBERLEY, SEARS)

296. *Problems in school finance.* (SEARS)

297. *Problems relating to the school plant.* (ALMACK)

298. *Problems relating to educational tests, measurements, and statistical procedure.* (KELLEY, TRABUE)

299. *Problems in intelligence testing and educational psychology.* (TERMAN)
Autumn, 21 (3 groups); winter, 23 (5 groups); spring, 26 (5 groups); summer, 64 (7 groups)

II. COURSES FOR TEACHERS OF SPECIAL SUBJECTS

A number of special courses of instruction, and groupings of courses, designed to prepare teachers for special work in the public schools, have been arranged and are described in the *Announcement of the School of Education* (issued in June). These include courses designed to prepare commercial teachers, manual arts teachers, teachers of home economics (in connection with the San José State Teachers' College), and teachers of the various high school subjects.

III. COURSES IN OTHER DEPARTMENTS

The following Teachers' Courses, in other departments, ordinarily designated by the number 200, are designed for students preparing to teach special subjects in secondary schools, and are offered in connection with the preparation in the teaching majors and minors, as described in the *Announcement of the School of Education.* Such courses are usually necessary for the Teacher's Recommendation, and may be counted, to the extent of six units, as part of the work required in education. (See *Announcement of the School of Education* for further information.)

a) *Teacher's Course in Drawing.*—[See Division of Graphic Art.]

b) *Teacher's Course in English.*—[See Department of English.]

c) *Teacher's Course in French.*—[See Department of Romanic Languages.]

d) *Teacher's Course in German.*—[See Department of Germanic Languages.]

e) *Teacher's Course in Greek.*—[See Department of Classical Literature.]

f) *Teacher's Course in History.*—[See Department of History.]

g) *Teacher's Course in Latin.*—[See Department of Classical Literature.]

h) *Teacher's Course in Oral Expression.*—[See Department of English.]

i) *Teacher's Course in Physics.*—[See Department of Physics.]

j) *Teacher's Course in Spanish.*—[See Department of Romanic Languages.]

k) *Teacher's Course in Commercial Training.*—[See Department of Economics.]

l) *Teacher's Course in Journalistic Writing.*—[See Division of Journalism, under Social Sciences.]

DIVISION OF GRAPHIC ART

ARTHUR BRIDGMAN CLARK, Professor
CHLOE LESLEY STARKS, Assistant Professor
EDWARD MCNEIL FARMER, Instructor

The work aims primarily to prepare students for positions as teachers of drawing and art in secondary schools. Many of the courses are also suitable for the practical and general cultural needs of students in other departments.

Intending teachers of art may register with Graphic Art as their major subject.

REQUIREMENTS FOR GRADUATION

a) As preparation for a fifth year: 50 units in Graphic Art, as much work in Education, and in a teaching minor of some subject other than Graphic Art, as will make possible the completion of the requirements for a teacher's certificate in one graduate year.

b) Graduation in fulfillment of requirements for Elementary School Certification: 50 units in Graphic Art, 15 units in each of three subjects chosen from a specific list, and 27 units in Education. (See *Announcement of the School of Education.*)

c) For the Junior High School Certificate: 50 units in Graphic Art, 23 units in Education, with a teaching major and minor. (See *Announcement of the School of Education.*)

d) For Special Certification, Fine Arts Type: (*a*) Elementary and Junior High School Grade, 60 units in Graphic Art and 18 units in Education; (*b*) Secondary and Junior College Grade, 90 units in Graphic Art and 23 units in Education.

(For the special lists of subjects required consult the secretary of the School of Education, or obtain Bulletin No. 10, *Arts,* from the California Board of Education.)

e) Master's Degree, Including Secondary Teacher's Certificate. One graduate year including the following: 26 units, including thesis, in Graphic Art; enough units in Education to make the required 27 units; completion of the teaching major or minor (other than in Graphic Art).

COURSES OF INSTRUCTION

1. Still-life and Quad Sketching.—Fundamental principles in blocking, proportion, and light and shade. Subjects, still-life and out-of-door drawings of parts of the arcades of the University. The drawings are large (20″ x 25″), and done with charcoal and colored crayon. The aim of the course is to give readiness and reasonable accuracy in representation. Open to all students.

3 to 5 units, autumn quarter (STARKS) MTWThF 1:05–4:05
Autumn, 24

3. Design in Form and Color.—Great advance has been made in recent years in design, both in the development of rich color in surface decoration as applied to textiles and in interior decoration. To develop power in creative expression and color arrangement in prismatic as well as grayed colors, is the object of the course.

The work is done in tempera color with the brush directly, training, in the most practical way, habits of color analysis and clear thinking. A series of problems is given which begins with the color wheel and the simplest geometric form and leads on through easy steps to elaborate textile designs, rich wall decorations, and the general color design of interiors. This course is prerequisite to Textiles, and Advanced Design. Open to all students.

5 units, autumn, winter, and *summer quarters (STARKS)
Lec. MTWThF 8; Lab. hours at student's convenience
Autumn, 16; winter, 24 (2 sections); summer, 22

4. Perspective.—A series of problems in form presentation; in part freehand, in part drawn with instruments, and involving the various principles of perspective and shades and shadows. The latter part of the course in-

volves drawings from actual buildings and placing figures in various distances and elevations. Open to all students and recommended as preparation to Course 5.

5 units, autumn and summer quarters (CLARK) MTWThF 11
Autumn, 14; summer, 15

5. Art of House Design.—The course is a systematic study of the fundamental principles which underlie taste, convenience, and economy in house designing and furnishing. The principles and necessity of civic planning are also given brief consideration. The subject matter treated is of such universal interest and importance that the exercises assigned are kept well within the accomplishment of earnest students even though they may have had but little training in drawing. However, a great deal of drawing, both mechanical and free-hand, is required in the course as the most efficient means to the understanding of design in proportion, line, and surface, and sensitiveness to beauty of all kinds. The first half deals with types of exteriors and their design and plans; the second half with interior treatment, furniture, yard, and civic planning. A few trips of observation will be made in the suburban towns toward San Francisco. Previous experience in free-hand and perspective drawing will facilitate advancement in the course. Open to all students, but Courses 1 and 4 are recommended for preparation.

5 units, spring quarter (CLARK) MTWThF 11
Spring, 31

6. Lectures on Painters.—First half: The Renaissance from Giotto to Velasquez. Second half: The Nineteenth Century and Present Time. The course is conducted with the use of lantern slides, each student being furnished with a collection of prints selected from the University Prints Series, and blueprints prepared for this course. Open to all students.

5 units, autumn and *summer quarters (CLARK)
Autumn, 42; summer, 27 (autumn) MTWThF 9; (summer) MTWThF 8

101. Handicraft: Metal Craft.—Making bowls, book ends and trays from copper, and jewelry in silver.

5 units, spring quarter (CLARK) MTWThF 1:05–4:05
Spring, 12

102. Handicrafts: Textiles.—The decoration of textiles in articles for personal use and interior decoration, block-printing, decoration of textiles by dyeing, embroidering and batik. Open to all students who have had Course 3 or its equivalent.

5 units, winter and summer quarters (STARKS) MTWThF 1:05–4:05
Winter, 13; summer, 10

103. Advanced Color Design.—The application of line, form, and color, as well as textures and materials, to the design of room interiors. Course 3 is prerequisite.

5 units, winter and summer quarters (STARKS) [Not given in 1925–26]

104. Science Drawing.—A course designed to assist students in scientific illustration. It includes the drawing of simple scientific subjects in pen, outline, line and stipple shading, wash, line and wash. Especial attention is paid to the needs of individual students. Open to science and medical students on advice.

1 to 3 units, autumn and winter quarters (STARKS) 8–12 by arrangement
Autumn, 13; winter, 3

105. Advanced Course in Art of the House.—A more intensive study of house design, furniture design, and other furnishings than is possible in

Course 5. Open to students who have had Courses 1, 3, and 5 or their equivalents.

5 units, spring and *summer quarters (CLARK) [Not given in 1925–26]

106. Illustration.—Graphic representation and pictorial composition. The course aims to develop facility in strong, well composed pictorial expression. Study is made of the relationship of compositional form to pictorial content and of the human figure as an element of pictorial expression. Drawing in charcoal and colored chalks. Course 1 prerequisite.

5 units, winter and summer quarters (FARMER) MTWThF 1:05–4:05
Winter, 11; summer, 3

107. Commercial Art.—A study of Gothic, Roman, and modern letter styles and practice in executing them both drafted and free-hand, with pen and brush. A study of poster composition with chief interest in effective line and color mass and the relation of compositional form to idea. Course 3 prerequisite.

5 units, spring quarter (FARMER) MTWThF 1:05–4:05
Spring, 10

108. Interior Decoration.—A short review of the history of interior architecture and decoration in Europe and America, showing the development of the modern domestic interior. Consideration of the architectural background, period and modern furnishings and textiles, and of the suitability of types of arrangement and decoration to modern social needs. Special reference throughout the course to composition in color and form. Courses 3, 4, and 5 are recommended for preparation.

5 units, winter and summer quarters (FARMER) MTWThF 10
Winter, 25; summer, 14

200. Teachers' Course.—For intending teachers of art. Discussions of the aims and methods in drawing and art instruction in the public schools, technical work in review and in preparing courses of study. Open only to upper division students.

3 units, spring and summer quarters (CLARK, FARMER) MWF 9
Spring, 9; summer, 3

201. Special Courses.—Advanced work in connection with Courses 1 to 200 will be arranged for graduate students in accordance with their technical needs. The quality of work done rather than the specific course determines when the work is of graduate or of undergraduate character.

For students working for the Master's degree weekly conferences are held for direction of work and reports.

(CLARK) By arrangement

ENGINEERING

SCHOOL OF ENGINEERING

The School of Engineering has been organized to include the existing engineering departments and such other engineering departments as may be hereafter established. The Faculty of the School consists of the Dean and all members of the component engineering departments. The purpose of the School is to provide a four-year curriculum leading to the degree of Bachelor of Arts in Engineering, and a two-year graduate curriculum lead-

ing to the degree of Engineer. For the present at least the four-year undergraduate curricula in the various component departments of the School may be continued and candidates may be recommended for the degree of Bachelor of Arts by the several department faculties.

A. ENTRANCE SUBJECTS

Entering students whose major work is to be in any engineering department should be thoroughly prepared in elementary mathematics, with entrance credit in algebra (at least one and one-half units), plane geometry, and plane trigonometry, in order to be able to take the first year's work in applied mathematics for engineers. Furthermore, it is advisable for them to have entrance credit in mechanical drawing.

Students who expect to complete the requirements for graduation from the Civil Engineering Department in four years should enter with credit for two high-school units in one foreign language, one unit in chemistry or physics, one unit in biological science, and one unit in history, in addition to the foregoing preparation in mathematics.

B. GENERAL TECHNICAL COURSES

1. Linear Drawing.—A training in the use of drafting implements the purpose of which is to enable the student to construct accurate pencil drawings and make clean-cut ink lines. Required of all students in Engineering or Geology who have not received equivalent training in high school or elsewhere. Students who have entrance credit in mechanical drawing may not receive university credit for this course.

The instruments and equipment for this course cost from thirty to forty dollars. Students are cautioned against purchasing cheap, poorly made drawing instruments. Such instruments are not suitable for engineering drawing. A list of approved brands of drawing instruments will be found in the textbook *Linear Drawing and Lettering,* by J. C. L. Fish. Before purchasing instruments not so listed, the student should consult the instructor.

1 unit, autumn, *winter, and *spring quarters (THOMAS)
Autumn, 38; winter, 31; spring, 14 W 1:05–4:05, or F 1:05–4:05

2. Lettering.—A training in engineering lettering and title making. Open to all students, and required of those whose major is in Civil, Mechanical, Electrical, or Chemical Engineering, or in Geology and Mining, whether or not they have entrance credit in mechanical drawing. (This requirement is waived, however, for a student who satisfies the instructor that he has had the equivalent of this course, by submitting certified work in lettering or by passing a special examination.)

1 unit, autumn, *winter, and *spring quarters (THOMAS)
Autumn, 68; winter, 61; spring, 36 W 1:05–4:05, or F 1:05–4:05

3. Descriptive Geometry.—Open to students who have completed or are taking Engineering 1 and 2, or have had their equivalent. It is required of students whose major is in Civil, Mechanical, Electrical, or Chemical Engineering, or in Mining and Metallurgy.

This course deals with principles and methods used in making with mathematical exactness drawings of objects and geometrical magnitudes, and in solving problems involving their space relations, without going into details of shop notes, field notes, machine drawing and design, and topographic and geologic mapping, to which subjects it serves as a preliminary.

The principles embodied in the course are limited to those pertaining to the "method of choosing new projection planes."

4 units, winter quarter (Cutter, Green, Jacobsen)
Winter, 99 Rec. TTh 8 or 11; Dft. MT 1:05–4:05, or ThF 1:05–4:05

106. Hydraulics.—Lectures and laboratory problems. Fluid pressure and equilibrium, flow of water through orifices, over weirs, in open and closed conduits. Laboratory: Calibration of instruments. Measurements of pressure, velocity, and flow and friction loss of water under various conditions. Open to students who have completed Course *3a* in Engineering Mathematics.

5 units, spring quarter (Moser)
Spring, 111 Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12, or MT 1:05–4:05

[Note.—See also Hydraulic courses listed under Mechanical Engineering.]

110. Mechanics of Materials.—Lectures and laboratory problems. Strength and elastic properties of the ordinary materials of engineering construction. Simple tension, compression, and shear. Flexure, with application to simple, continuous, and nonhomogeneous beams. Long columns, torsion, repeated stress, sudden stress, resilience, etc. Testing strength and elastic properties of materials and structures. Open to students who have completed Courses *3a* and *3b* in Engineering Mathematics.

5 units, autumn quarter (Moser)
Autumn, 104 Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12, or MT 1:05–4:05

111. Mechanics of Materials.—Continuation of Engineering 110.

5 units, winter quarter (Moser)
Winter, 25 Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12, or MT 1:05–4:05

Laboratory Fees.—Courses 3, 110, and 111, $1 each; 106, $2.

ENGINEERING MATHEMATICS

Halcott Cadwalader Moreno, Professor

3. Theoretical Mechanics.—An elementary course, covering the fundamental principles of Statics, Kinematics, and Kinetics, restricted mainly to coplanar forces and to plane motion of particles and of rigid bodies. The course is designed as preparation for the courses in Mechanics of Materials taken by students of Engineering, but is open to all whose preparation includes the equivalent of Courses 1 and 2.

3a. First half of Course 3.

5 units, autumn, *winter, and *spring quarters (Moreno)
(autumn) MTWThF 9; (winter) MTWThF 10; (spring) MTWThF 9
Autumn, 49; winter, 49; spring, 23

3b. Second half of Course 3.

5 units, winter and *spring quarters (Moreno)
Winter, 58; spring, 52 (winter) MTWThF 9; (spring) MTWThF 10

100. Engineering Mathematics.—This course is supplementary to the usual undergraduate course in calculus, is intended for the student in Electrical Engineering, and is a prerequisite to Course 210 in Electrical Engineering. It includes those parts of complex numbers, infinite series, hyperbolic functions, differential equations, and Fourier's series that are helpful in understanding the power line equations. Prerequisite: Mathematics *2a* and *2b* and some knowledge of alternating currents.

3 units, autumn quarter (Moreno) MWF 11
Autumn, 18

101a. Nomographs.—An elementary course on the construction and use of nomographs, including some other graphic methods.
2 units, autumn quarter (Moreno) TTh 11
Autumn, 10

101b. Nomographic Drawing.—A course in advanced drafting supplementary to 101*a*. Prerequisite: Engineering 1 and 2.
1 or 2 units, autumn quarter (Thomas) By arrangement
Autumn, 3

CIVIL ENGINEERING

Charles David Marx, Leander Miller Hoskins, Professors Emeritus
Charles Benjamin Wing, John Charles Lounsbury Fish, Halcott Cadwalader Moreno, Leon Benedict Reynolds, Professors
Charles Moser, Associate Professor
Earl Charles Thomas, Assistant Professor
Walter William Wegner, Instructor

A. TOPOGRAPHIC ENGINEERING

20. Elementary Surveying.—Recitations: co-ordinates of surveying; measurements; errors; surveying methods. Field: exercises in the care, use, and adjustment of instruments; traverse surveys; stadia surveys; leveling; base line measurement and triangulation; astronomical determination of azimuth. Drafting Room: plotting and adjusting traverses; computing areas; plotting profiles; map interpretation. Prerequisites: Engineering 1 and 2, Mathematics 1*a*.
5 units, autumn and *spring quarters (Wegner)
Autumn, 26; spring, 57 Rec. TTh 8; Field and Dft. MTW 1:05–4:05

21. Advanced Surveying.—Land surveying; topographic surveying; introduction to city, mine, hydrographic and photographic surveying. Prerequisite: Course 20.
5 units, autumn quarter (Thomas) Rec. TTh 8; Field and Dft. WThF 1:05–4:05
Autumn, 12

23. Special Surveying.—Special courses intended for students who have completed Course 20, or who have had practical experience in surveying, and who are interested in continuing some particular branch of surveying. Open only by permission.
1, 2, or 3 units, winter quarter (Wegner) By arrangement
Winter, 3

24. Elementary Surveying.—An abridged course intended for Mechanical Engineering students. Care and adjustment of instruments; field exercises with tape; pocket instruments; level and transit. The application of plane surveying methods to mechanical engineering problems will be considered. Open to students whose major subject is Mechanical Engineering and to others only by permission. Prerequisites: Engineering 1 and 2 and Mathematics 1*a*.
2 units, winter quarter (Wegner) Field and Dft. MT 1:05–4:05
Winter, 5

25. Engineering Surveys.—The application of surveying to engineering problems. Reconnaissance, preliminary, location, construction, and maintenance surveys pertaining to railroads, highways, waterways, etc. Prerequisites: Courses 20 and 21.
4 units, spring quarter (Thomas) Rec. Th 9; Field and Dft. WThF 1:05–4:05
Spring, 14

126. Special Engineering Surveys.—Courses arranged to meet special needs of students who have completed Course 25 above, or have had considerable experience in engineering surveys. (Field work can be done only when two or more students elect to pursue the same work.) Open only by permission.

1 to 5 units (THOMAS) By arrangement
Spring, 2

B. ENGINEERING ECONOMICS

130. Engineering Economics.—The business side of engineering. An analysis of economic factors of engineering practice: the engineer in the field of service, investment choice, estimating, business units, business statistics, valuation, depreciation, economics of service. (Text, written recitations, and problems.) Open to those who have 90 units of credit, and to others by permission. (Course 131 below may, by permission, be taken at the same time as 130.)

3 units, autumn, *winter, and *spring quarters (FISH) MWF 8
Autumn, 26; winter, 43; spring, 28

131. Applied Engineering Economics.—Conditions and requirements of actual engineering practice are duplicated in this course. The student selects, investigates, and reports on a problem, conferring regularly with the instructor. The problem may be concrete or general.

The typical *concrete problem* is to choose between two proposed investments that involve engineering (that is, to choose between two proposed engineering structures, plants, operations, or enterprises, from the standpoint of owner or investor); but the problem may be limited to estimating the cost or the economic promise of a single proposed structure. The student's work consists in analyzing the problem, estimating and combining the factors to complete the solution, and writing a formal report on the whole investigation.

The *general problem* may be either the further study of any of the divisions of engineering economics introduced in Course 130 above; or the investigation of the economics of location, design, construction, or operation of a line of transportation (*e.g.,* highway, railway, power line, pipe line, canal); or other similar inquiry. In any case the student's work is systematic reading, problem solving, individual conferences with the instructor, and writing a formal report. Open to those who have credit for or are taking Course 130, and to others by permission.

1 or more units, autumn, *winter, and *spring quarters (FISH) By arrangement
Autumn, 1; winter, 5; spring, 15

131a. Special Highway Engineering.

2 units, summer quarter (THOMAS) By arrangement
Summer, 1

C. HIGHWAY AND RAILROAD ENGINEERING

Highway and Railroad Surveying.—See Course 25 above.

140. Highway and Railroad Engineering.—The individual study of one or more questions of location, design, construction, or operation of highways or of railroads. Systematic reading, assigned problems, individual conferences with the instructor, and writing a formal report. Open by permission.

1 or more units, winter and *spring quarters (FISH) By arrangement
Winter, 1; spring, 1

D. STRUCTURAL ENGINEERING

150. Elements of Design.—(1) Materials (see Mining and Metallurgy 105). (2) Analytical and graphical determination of stresses in simple structures. (3) Investigation of distribution of stresses in structural details. Open to students who have completed Engineering 1, 2, and 3, and have taken or are taking Engineering 110 and Mining and Metallurgy 105.
3 units, autumn quarter (WING) WThF 1:05–4:05
Autumn, 24

151. Elements of Design.—(1) Wood, stone, brick, lime, cement, etc., studied from engineering standpoint. (2) Bearing power of soils, distribution of pressure, and details of design of simple substructures. (3) Designs, working drawings, bills of materials, and estimate of cost of some simple structure, such as a mill building or highway bridge. (4) Testing physical properties of cement and other masonry materials. Prerequisite: Course 150.
5 units, winter quarter (WING) Lec. MWF 11; Dft. and Lab. MTW 1:05–4:05
Winter, 24

152. Elements of Design.—This course completes the work undertaken in Course 151.
5 units, spring quarter (WING, THOMAS)
Spring, 21 Lec. MWF 11; Dft. and Lab. MTW 1:05–4:05

153. Elements of Design.—A short course to meet the requirements of students taking their major in Mining, Mechanical, Electrical, or Chemical Engineering. Special applications are made to hoisting and conveying structures, mill buildings, and central station buildings. Open to students who have had Engineering 1, 2, 3, 110, and Mining and Metallurgy 105.
3 units, any quarter (WING, MOSER) By arrangement
Autumn, 1; spring, 5; summer, 2

154. Structural Design.—Determination of stresses in modern types of bridges, including cantilever and swing spans, masonry arches, and arch ribs; discussion of most economical types, spans and dimensions of bridges and bridge members; study of methods of constructing subaqueous substructures, shop methods, erection, inspection of material, specifications, and other factors influencing the design of structures. Designs are made by each student to fulfill actual conditions. Prerequisite: Course 152.
5 units, autumn quarter (WING) Lec. TTh 11; Dft. MTW 1:05–4:05
Autumn, 18

155. Structural Design.—Continuation of Course 154.
5 units, winter quarter (WING) [Not given in 1925–26]

156. Structural Design.—Continuation of Course 155.
3 units, spring quarter (WING) By arrangement
Spring, 1

E. HYDRAULIC ENGINEERING

160. Collection and Storage of Water.—Design and construction of various types of dams; study of rainfall, evaporation, and runoff; methods of making stream flow measurements; use of hydrographs and mass curves; graphics of dams. This course is devoted to the problems of collection and storage of water for public supplies, power, and irrigation. Lectures, collateral reading, and computations of gravity types of dams. Prerequisites: Engineering 106, 110, 151 (may be taken same quarter).
5 units, autumn quarter (REYNOLDS) Lec. MWF 10; Dft. TTh 8–11
Autumn, 24

161. Development and Distribution of Water.—Capacity, location, and construction of impounding reservoirs; occurrence and use of ground water; hydraulics and construction of wells and infiltration galleries; quantity of water required; conveyance of water in pipes, flumes, canals, and tunnels; distribution systems; fire protection; storage and equalizing reservoirs. This course deals with the development and distribution of water for city, power, and irrigation uses. Prerequisite: Course 160.

5 units, winter quarter (REYNOLDS) Lec. MWF 10; Dft. ThF 1:05–4:05
Winter, 23

162. Protection and Purification of Water Supplies.—Normal quality of waters; physical, chemical, and bacteriological examination of water; relation of water supplies to disease; purification of water by aëration, sedimentation, coagulation, and filtration; water softening, deferrization, and sterilization. Lectures, collateral reading, and investigation of some source of municipal supply with report on necessary purification. Prerequisite: Course 161.

4 units, winter and *spring quarters (REYNOLDS) Lec. MWF 8; Dft. ThF 9–12
Winter, 1; spring, 15

F. SANITARY ENGINEERING

170. Municipal Sanitation.—Quantity of domestic sewage and storm water; hydraulics of sewers; sewer surveys and investigations; design of sewers and appurtenances; pumping of sewage; estimates of quantities and costs; construction methods; supervision and inspection during construction; operation and maintenance. Collection and removal of refuse and garbage. Recitations, collateral reading, and applications by means of problems. Prerequisite: Engineering 106.

3 units, winter quarter (REYNOLDS) Rec. MWF 8
Winter, 23

171. Disposal of Sewage and Municipal Refuse.—Characteristics of sewage; disposal by dilution; treatment by means of screens, sedimentation tanks, activated sludge, contact beds, sprinkling filters, sand filters, irrigation, and disinfection; location, design, operation, and maintenance of plants. Natural and artificial methods of disposal of city refuse. Recitations, collateral reading, and applications by means of problems and designs. Prerequisite: Course 163.

5 units, spring quarter (REYNOLDS) Rec. MWF 10; Dft. TTh 9–12
Spring, 20

[Students who specialize in Sanitary Engineering are expected to take the following courses in other departments which are designed with the needs of sanitary engineers in mind.]

Elementary Limnology.—[See Biology 102.]

Sanitary Bacteriology.—[See Bacteriology 102.]

G. GENERAL ENGINEERING

180. Specifications and Contracts.—Development of contract principles; varieties of construction contracts; principles of specification writing; study of actual composition and arrangement of a set of specifications covering advertisement, instructions to bidders, proposal, contract, bond, and general clauses; preparation of contracts for engineering services. Lectures, collateral reading, and practice in actual writing of specifications. Open to fourth-year students and to others by permission.

3 units, autumn quarter (REYNOLDS) Lec. MWF 11
Autumn, 23

181. Design of Canal, River, and Harbor Structures.—Conferences and designing as per arrangement. Prerequisites: Engineering 106, Civil Engineering 151, 152.

3 units, winter and spring quarters (WING) [Not given in 1925–26]

Laboratory Fees.—Course 20, $4; 21, $4; 24, $2; 25, $3; 130, 131, $1 each; 151, $2.

A FOUR-YEAR CURRICULUM IN CIVIL ENGINEERING

DEPARTMENT AND NO.	FIRST YEAR Subjects	UNITS Autumn	Winter	Spring
	Language, Literature, etc.	3	3	3
	Citizenship	4	4	4
Mathematics 1a	Elementary Analysis	5	—	—
Mathematics 1b	Elementary Analysis	—	5	—
Mathematics 2a	Differential Calculus	—	—	5
Engineering 1	Linear Drawing	1	—	—
Engineering 2	Lettering	1	—	—
Engineering 3	Descriptive Geometry	—	4	—
Civil Engr. 20	Elementary Surveying	—	—	5
		14	16	17
	Physical or Military Training	1	1	1
		15	17	18

DEPARTMENT AND NO.	SECOND YEAR Subjects	UNITS Autumn	Winter	Spring
English 2	English Composition	—	3	3
	History	3	3	3
Mathematics 2b	Integral Calculus	5	—	—
Mathematics 3a	Theoretical Mechanics	—	5	—
Engr. Math. 3b	Theoretical Mechanics	—	—	5
Physics 11	Statics Laboratory	—	1	—
Physics 12	Dynamics Laboratory	—	—	1
Civil Engr. 21	Advanced Surveying	5	—	—
Civil Engr. 25	Engineering Surveys	—	—	4
Economics 3	Accounting	—	4	—
Mech. Engr. 12	Machine Drawing	3	—	—
		16	16	16
	Physical or Military Training	1	1	1
		17	17	17

A FOUR-YEAR CURRICULUM—*Continued*

DEPARTMENT AND NO.	THIRD YEAR Subjects	UNITS Autumn	Winter	Spring
English 4	Vocal Expression	—	3	—
English 7	Extemporaneous Speaking	—	—	3
Geology 1a	Dynamical Geology	5	—	—
Engineering 110	Mechanics of Materials	5	—	—
Engineering 111	Mechanics of Materials	—	5	—
Engineering 106	Hydraulics	—	—	5
Civil Engr. 130	Engineering Economics	—	—	3
Civil Engr. 150	Elements of Design	3	—	—
Civil Engr. 151	Elements of Design	—	5	—
Civil Engr. 152	Elements of Design	—	—	5
Mech. Engr. 123	Testing of Engines	—	4	—
Min. & Met. 106	Metallurgy of Iron and Steel	3	—	—
		16	17	16

DEPARTMENT AND NO.	FOURTH YEAR Subjects	UNITS Autumn	Winter	Spring
Civil Engr. 131	Applied Engineering Economics	—	—	3
Civil Engr. 140	Highway and Railroad Engineering*	3	—	—
Civil Engr. 154	Structural Design	5	—	—
Civil Engr. 155	[Structural Design*]	—	[5]	—
Civil Engr. 160	Water Supply Engineering	5	—	—
Civil Engr. 161	Water Supply Engineering	—	5	—
Civil Engr. 162	Water Supply Engineering*	—	—	5
Civil Engr. 170	Municipal Sanitation	—	3	—
Civil Engr. 171	Disposal of Sewage and Refuse	—	—	5
Civil Engr. 180	Specifications and Contracts	3	—	—
Mech. Engr. 236	[Pumping Machinery*]	—	[3]	—
El. Engr. 102, 122	Electricity in Engineering	—	4	—
El. Engr. 103, 123	Electricity in Engineering	—	—	4
		16	15 or 17	17

* In special cases the department may accept, as a substitute for the course so marked, some other course.

[ ] Only one of these courses need be taken.

COURSES SUGGESTED AS SUITABLE FOR ELECTION BY STUDENTS IN CIVIL ENGINEERING

Courses Having No Prerequisites.

Economics	6.	Introduction to Statistical Methods. 4 units, spring.
Economics	21.	Public Finance. 4 units.
Mech. Engr.	1.	Forge Practice. 3 units, any quarter.
Mech. Engr.	3.	Foundry Practice. 3 units, any quarter.
Mech. Engr.	5.	Woodworking. 3 units, any quarter.
Mech. Engr.	11.	Free-hand Machine Drawing. 3 units, autumn or spring.
Graphic Art	1.	Still-life Sketching. 3 to 5 units, autumn.
Graphic Art	4.	Perspective. 5 units, winter.
Graphic Art	5.	Art of House Design. 5 units, spring.
Philosophy	1.	Logic. 5 units, autumn.

Courses Requiring Special Preparation.

Engr. Math.	101*a*.	Nomographs. 2 to 4 units, autumn.
Mathematics	161.	Practical Astronomy. 3 or 4 units, spring.
Mathematics	163.	Adjustment of Observations. 3 units, winter.
Mathematics	164.	Geodesy. 3 units, spring.
Bacteriology	1.	General Bacteriology. 5 units, spring.
Biology	102.	Elementary Limnology. 3 units, winter.
Economics	5.	Railway Transportation. 4 units, autumn or winter.
Economics	29.	Intermediate Accounting. 4 units, autumn or spring.
Economics	107.	Railway Administration. 2 units, winter.
Economics	113.	Introduction to Cost Accounting. 4 units, winter.
Economics	120.	Corporation and Trust Finance. 4 units, winter.
Civil Engr.	126.	Special Engineering Surveys. 1 to 5 units, any quarter.
Mech. Engr.	107.	Machine Shop Practice. 4 units, any quarter.
Mech. Engr.	225.	Testing of Hydraulic Machinery. 3 units, autumn.
Mech. Engr.	237.	Hydraulic Machinery and Power Stations. 5 units, spring.
English	8.	Public Speaking. 3 units, winter.
English	131.	Exposition. 4 units, winter.
English	132.	Argumentation. 3 units, spring.
Geology	121.	Common Minerals and Rocks. 4 units, autumn.
Law	100, 101.	Business Law. 3 units, autumn and winter.
Min. & Met.	101.	Principles of Mining. 4 units, autumn.
Polit. Sci.	110.	Administrative Organization. 4 units, autumn.
Psychology	51.	General Psychology. 3 units, autumn.

ELECTRICAL ENGINEERING

HARRIS JOSEPH RYAN, Professor
HENRY HARRISON HENLINE, Associate Professor
WARD B. KINDY, Assistant Professor
THEODORE HARDING MORGAN, JOSEPH SNYDER CARROLL, FREDERICK EMMONS TERMAN, Instructors
EZRA F. SCATTERGOOD, Lecturer

The department offers courses of instruction for three groups of engineering students:

I. General Group.—Courses 102 and 103, Electricity in Engineering, are offered especially for fourth-year students in civil, mining, and chemical engineering.

II. Dynamic Group.—Courses 104, 105, 106, 124, 125, and 126 are open to all fourth-year students and are offered especially for students in mechanical engineering.

III. Advanced Electrotechnic Group.—Courses 207, 208, 210, 219, 240, 242, Physics 20 or 101, Mathematics 100 (32 or 34 units), and electives as approved (11 to 22 units); total 45 to 54 units.

UPPER DIVISION COURSES

102. Electricity in Engineering.—Lectures, questions, demonstrations, operating practicums. Prerequisites: first six quarters of any of Stanford engineering curricula.
3 units, winter quarter (HENLINE) Lec. TTh 8; Lab. T 1:05–4:05
Winter, 40

103. Electricity in Engineering.—Continuation of Course 102.
3 units, spring quarter (HENLINE) Lec. TTh 8; Lab. T 1:05–4:05
Spring, 26

104. Fundamentals of Electric Circuits.—A course in fundamental principles of the electric and magnetic circuits, including simple alternating current circuits. Prerequisites: Mathematics 3, Engineering 3 and 111, Physics 100, and registration in Course 124.
2 units, autumn quarter (KINDY, MORGAN) TTh 9 or 10
Autumn, 47 (2 sections)

105. Alternating Current Circuits.—Principles of alternating current circuits, and their application in the determination of the performance of alternators and transformers. Prerequisites: Courses 104 and 124, and registration in Course 125.
2 units, winter quarter (KINDY, MORGAN) TTh 10 or 11
Winter, 48 (2 sections)

106. Alternating Current Circuits.—Continuation of Course 105, including a study of induction and synchronous machines and transmission lines. Prerequisites: Courses 105 and 125, and registration in Course 126.
3 units, spring quarter (KINDY, MORGAN) MWF 11
Spring, 34

124. Direct Current Machinery Laboratory.—A study of the characteristic performance of direct current machines. To accompany Course 104. Prerequisite: registration in Course 104.
3 units, autumn quarter (KINDY, MORGAN) M, W, or F 1:05–4:05, or S 9–12
Autumn, 50 (2 sections) Preparation period by arrangement

125. Alternating Current Machinery Laboratory.—Alternating current circuits; performance of alternators, transformers, and induction motors; transformer polyphase connections. To accompany Course 105. Prerequisite: registration in Course 105.
3 units, winter quarter (KINDY, MORGAN) M, W, or F 1:05–4:05, or S 9–12
Winter, 43 (2 sections) Preparation period by arrangement

126. Alternating Current Machinery Laboratory.—Characteristic performance of induction and synchronous machines, series motors, converters, and rectifiers. Prerequisite: registration in Course 106.
4 units, spring quarter (KINDY, MORGAN) M, W, or F 1:05–4:05, or S 9–12
Spring, 32 Preparation period by arrangement

COURSES PRIMARILY FOR GRADUATES

207. Electrical Engineering.—Equipment and methods as affected by expediency, safety, and economics. Required of electrical engineers. Prerequisites: Courses 105 and 125.
3 units, spring quarter (KINDY) MWF 8
Spring, 24

208. The Electric and Magnetic Circuits.—Class work; essentially a problem course. Prerequisites: Courses 106 and 126.
3 units, autumn quarter (TERMAN) By arrangement
Autumn, 21

209. Radio Communication.—A study of the properties of radio circuits and associated apparatus. Prerequisite: Course 105.
3 units, spring quarter (TERMAN)
Spring, 21

210. Advanced Electrotechnics.—A course developed with particular reference to the study of problems of long-distance transmission of energy. Prerequisites: Course 208, and Mathematics 100.
3 units, winter quarter (TERMAN) By arrangement
Winter, 32 (2 sections)

211. Electrical Engineering Professional Papers.—Guidance for the individual in the study of the Transactions of the American Institute of Electrical Engineers and other literature of practice.
5 units, autumn, winter, and spring quarters (RYAN, HENLINE) By arrangement
Autumn, 4; winter, 3; spring, 9

219. Seminar.—A weekly conference for the discussion of current electrical engineering literature and special topics.
1 unit, autumn, winter, and spring quarters (RYAN) By arrangement
Autumn, 22; winter, 20; spring, 23

240. High-Voltage Engineering Laboratory.
5 units, autumn quarter (RYAN, CARROLL) By arrangement
Autumn, 22

241. Communication Engineering Laboratory.—Fundamentals of intelligence transmission. Characteristics of wire lines and accessory apparatus. Prerequisites: Courses 105 and 125.
5 units, autumn quarter (HENLINE, MORGAN) By arrangement
Autumn, 17

242. Thesis.—Subjects as approved for the individual electrical engineering majors.
4 to 5 units, autumn, winter, and spring quarters (RYAN, and FACULTY as assigned)
Autumn, 4; winter, 19; spring, 19

243. Research.
(RYAN, HENLINE) By arrangement
Autumn, 4; winter, 19; spring, 11

The Stanford Branch of the American Institute of Electrical Engineers is an organization authorized by the Institute and maintained by the students for the discussion of the Journal of the Institute, and other topics.

Laboratory Fees.—$1 per unit of university credit.

Syllabus Fees.—Applicable to syllabus, lantern slides, and charts; 50 cents to $1 per course.

MECHANICAL ENGINEERING

WILLIAM FREDERICK DURAND, Professor Emeritus
EVERETT PARKER LESLEY, WILLIAM RANKINE ECKART, GUIDO HUGO MARX, Professors
CHARLES NORMAN CROSS, LAWRENCE EDMINSTER CUTTER, HORATIO WARD STEBBINS, Associate Professors
BOYNTON MORRIS GREEN, EDWARD JOHN STANLEY, Assistant Professors
ROBERT HENRY HARCOURT, JAMES BENNETT LIGGETT, THERON JAMES PALMATEER, Teaching Specialists
LYDIK SIEGUMFELDT JACOBSEN, CHARLES HERBERT SMITH, Instructors

The following courses constitute the required work of a five years' curriculum leading to the degree of Engineer in Mechanical Engineering. Students successfully completing the first four years of this curriculum with sufficient additional units for graduation will be granted the degree of Bachelor of Arts. It is expected that the supplementary courses necessary in order to obtain the number of units required for graduation will be elected in considerable degree among the other engineering courses offered in the department.

After October 1, 1929, the degree of Engineer in Mechanical Engineering will be granted only upon the completion of two years of graduate work, following upon the completion of the four-year curriculum leading to the degree of Bachelor of Arts in Engineering or its equivalent.

A FIVE-YEAR CURRICULUM IN MECHANICAL ENGINEERING

LOWER DIVISION GROUP	FIRST YEAR (45 units)		UNITS		
	Subject	Course	Autumn	Winter	Spring
I	Foreign Language	———	3	3	3
	Linear Drawing	Engineering 1	1	—	—
	Lettering	Engineering 2	—	1	—
	Freehand Machine Drawing	M.E. 11	—	—	3
II	Elementary Analysis	Math. 1a, 1b	5	5	—
	Differential Calculus	Math. 2a	—	—	5
	Chemistry	Chem. 7, 9	2	2	—
III	Citizenship	Cit. 1, 2, 3	4	4	4
			15	15	15

LOWER DIVISION GROUP	SECOND YEAR (49 units)		UNITS		
	Subject	Course	Autumn	Winter	Spring
I	English Composition	Engl. 2a, 2b	3	3	—
II	Integral Calculus	Math. 2b	5	—	—
	Theoretical Mechanics	Math. 3a, 3b	—	5	5
	Statics, Dynamics	Physics 11, 12	—	1	1
	Heat	Physics 13	—	—	4
	Chemistry (lab.)	Chem. 4	3	—	—
	Descriptive Geometry	Engineering 3	—	4	—
	Forge—Foundry	M.E. 1–3	3	—	3
III	History	———	3	3	3
			17	16	16

LOWER DIVISION GROUP	THIRD YEAR (41 units)		UNITS		
	Subject	Course	Autumn	Winter	Spring
	Machine Drawing	M.E. 12	3	—	—
	Elementary Machine Design	M.E. 113	—	4	4
	Pyrometallurgy, Iron and Steel	Met. 105	3	—	—
	Mechanics of Materials	Eng. 110	5	—	—
	Hydraulics	Eng. 106	—	—	5
	Electricity	Physics 14	4	—	—
	Electricity & Elec. Measurements	Physics 15	—	4	—
	Light	Physics 10	—	2	—
	Pattern Making—Machine Shop	M.E. 6, 107	—	3	4
			15	13	13

A FIVE-YEAR CURRICULUM—*Continued*

LOWER DIVISION GROUP	FOURTH YEAR (45 units) Subject	Course	UNITS Aut.	Winter ME	Winter EE	Spring ME	Spring EE
	Machine Design	M.E. 114	4	4	4	—	—
	Heat Engines	M.E. 132, 133	4	4	4	—	—
	Calibration of Eng. Instruments	M.E. 121	3	—	—	—	—
	Valuation of Fuels and Oils*	M.E. 122	—	3	—	—	—
	Test. of Engs., Boilers, etc.	M.E. 124	—	—	—	3	3
	Engr. Reports & Specifications	M.E. 131	—	—	—	3	3
	Direct Current Machinery	E.E. 104, 124	5	—	—	—	—
	Alternating Current Machinery	E.E. 105, 125	—	5	5	—	—
	Electrical Machinery	E.E. 106, 126	—	—	—	—	7
	Electives		—	—	3	7	—
			16	16	16	13	13

LOWER DIVISION GROUP	FIFTH YEAR (Approximately 44 units) Subject	Course	UNITS Autumn	Winter	Spring
	Shop Administration	M.E. 210	—	4	—
	Advanced Machine Design	M.E. 216	4	—	—
	Test. of Hydraulic Machinery	M.E. 225	3	—	—
	Test. of Heat Exchangers and Power Plant Auxiliaries	M.E. 226	—	3	—
	Applied Thermodynamics	M.E. 234	—	—	4
	Central Power Stations	M.E. 235	3	—	—
	Pumping Machinery	M.E. 236	—	3	—
	Hydr. Mach. & Power Stations	M.E. 237	—	—	5
	Thesis	M.E. 251	5	5	5
			15	15	14

* This course is elective for students who take 7 units of Electrical Engineering 106 and 126.

The above courses represent the requirements for the student entering with full entrance credit, including 1½ units in algebra, 1 unit in plane geometry, ½ unit in trigonometry, 1 unit in physics, 1 unit in chemistry, 2 units in one foreign language, 1 unit in history, 1 unit in biological or general science, ½ unit in mechanical or geometrical drawing, and ½ unit in woodwork. For those not bringing this measure of entrance credit the requirements will be correspondingly greater. There will be in the usual case, and especially for the student carrying more than the normal number of 15 units registration, a considerable amount of additional time for elective work in the various engineering departments or in other departments of the University. Students whose preparatory records show excellence, not only in mathematics and chemistry, but also in general training, may, with the approval of the instructor, omit Mathematics 1*a*, 5 units. For students offering no entrance credit in Chemistry, Courses 1, 2, 3, and 4 (12 units) must be taken in place of 7, 9, and 4.

SHOPWORK AND ADMINISTRATION

1. Forge Practice.—Two laboratory periods and one lecture per week. Required of Mechanical Engineering students.

3 units, autumn, *winter, and *spring quarters (HARCOURT) Lec. S 9
Autumn, 29; winter, 16; spring, 18

3. Foundry Practice.—Two laboratory periods and one lecture per week. One quarter (3 units) required of Mechanical Engineering students.

3 units, autumn, *winter, and *spring quarters (LIGGETT)
Autumn, 17; winter, 10; spring, 15 Lec. S 8; Heats W 1–4

5. Woodworking (prerequisite for Mechanical Engineering 6).—Three laboratory periods per week. One quarter (3 units) required of students not having entrance credit in woodworking.

3 units, winter and *spring quarters (STANLEY)
Winter, 1; spring, 4

6. Pattern Making.—Two laboratory periods and one lecture per week. One quarter (3 units) required of Mechanical Engineering students.

3 units, autumn, *winter, and *spring quarters (STANLEY) Lec. S 8
Autumn, 8; winter, 11; spring, 7

107. Machine Shop Practice.—Three laboratory periods and one lecture per week. Intended for upperclassmen only. One quarter (4 units) required of Mechanical Engineering students. Prerequisites: Mechanical Engineering 1 and 3.

4 units, autumn, *winter, and *spring quarters (PALMATEER) Lec. S 9
Autumn, 8; winter, 17; spring, 13

200. Shop Processes.—Laboratory investigation of forge, foundry, and machine shop processes. The aim of this course is to give students an opportunity to work under instruction with tools and processes of special interest, but beyond the scope of Courses 1, 3, and 107, which are prerequisites. Electric and acetylene welding apparatus, steam and power hammers, cupola and crucible furnaces, and a variety of machine tools are available.

1 to 3 units, any quarter (LESLEY) By arrangement
Winter, 2; spring, 5

210. Shop Administration.—A course of lectures on workshop organization and administration, factory accounting, wage systems, selection of machinery, factory methods, etc. Prerequisites: Shopwork Courses 1 to 107 inclusive.

4 units, winter quarter (LESLEY)
Winter, 8

MACHINE DRAWING AND DESIGN

11. Free-hand Machine Drawing.—Practice in making free-hand sketches of machine parts, and their dimensioning in practical form for use in the shop, the sketches being made according to the principles of orthographic projection. The aim is to train the student in the reading of machine drawings through making a considerable number of sketches from actual machines and machine parts, and at the same time to familiarize him as much as possible with the actual machine parts. Open to all students, and required of students in Mechanical Engineering. (Nine hours a week, either quarter.)

3 units, autumn and *spring quarters (CUTTER, GREEN, JACOBSEN)
Autumn, 40; spring, 23 TTh 9–12; MTWThF 1:05–4:05

12. Elementary Machine Drawing.—Practice in making working drawings of machine parts, and in making tracings from these drawings. The purpose of the course is not only to train the student in the technique of

drafting and dimensioning, but also to familiarize him with the elements of machines, and, therefore, no drawings are made from copy, but all are made from the student's own sketches of the actual model. (Nine hours a week in drafting-room, either quarter; three hours' work for one unit credit.) Prerequisites: Courses 1, 2, and 3 in Engineering, or their equivalents; and, for Mechanical Engineering students, Course 11 in Mechanical Engineering.

3 units, autumn and *spring quarters (CUTTER, GREEN, JACOBSEN)
Autumn, 23; spring, 28 TTh 9–12; MTWThF 1:05–4:05

113. Elementary Machine Design.

a) Function of machines; motion, force, and work in machines; analysis of mechanism; velocity, acceleration, and effort diagrams; parallel motions; cams; ratchets; toothed wheels; valve gear analysis and design. The aim is, not merely to present a course in pure mechanism, or kinematics, but also—by the introduction of the consideration of force, work, and energy, as well as motion—to show the purposes for which the mechanisms are used and the manner in which they function.

3 units, winter and spring quarters (MARX) Lec. MWF 8
Winter, 30; spring, 32

b) Drafting course applying the principles treated in *a*. (Three hours a week drafting, winter and spring quarters.) (1 unit.) Prerequisites: Course 12 in Mechanical Engineering and Courses 1, 2, and 3 in Engineering. Courses *a* and *b* must be taken together and are required of students in Mechanical Engineering.

1 unit, winter and spring quarters (GREEN) Dft. W 1:05–4:05
Winter, 30; spring, 32

114. Machine Design.—Study of machine elements, such as bolts and screws; riveted joints and boiler design; keys, fits and fitting; axles, shafts, and spindles; journals, bearings, friction, and lubrication; ball and roller bearings; sliding surfaces; couplings and clutches; gear, belt, rope, and chain transmission systems; flywheels; brakes; springs; frames and supports; cylinders, etc.; leading to the design of complete simple machines. (Two hours a week recitations and lectures, six hours in the drafting-room, throughout the year.) Open to students who have completed Course 113 in Mechanical Engineering, Course 105 in Mining and Metallurgy, and who are taking Course 110 in Engineering; two quarters required of students in Mechanical Engineering.

4 units, autumn, winter, and spring quarters (MARX)
Autumn, 34; winter, 33; spring, 7 Lec. TTh 8; Dft. TTh 1:05–4:05

115. Applications of Theory of Elasticity.—A study of the results obtained by the theory of elasticity, rather than a study of the theory itself, including: statically indeterminate systems, stress-concentrations, experimental determinations of stresses, elementary vibration problems, critical speeds, etc. Open to students who have completed two quarters of Course 114 in Mechanical Engineering. A course in differential equations is highly desirable as a prerequisite.

2 units, spring quarter (JACOBSEN) Lec. MW 11
Spring, 4

216. Advanced Machine Design.—Design of complete machines. Students may elect machine tools, cranes, steam or gas engines, or special problems. (One lecture and nine hours drafting per week.) Intended for fifth-year students who have completed Courses 114, 132, and 133.

4 units, autumn and winter quarters (MARX, CUTTER, GREEN, JACOBSEN)
Autumn, 4; winter, 1 Lec. F 10; Dft. 1:05–4:05 by arrangement

EXPERIMENTAL ENGINEERING

[NOTE.—Laboratory sections in experimental engineering will be arranged in groups of three students. In so far as the laboratory schedule permits, students will be allowed, with due regard to priority of application, to arrange their own sections and laboratory periods. Enrollment, with the instructor concerned, on registration day or the first day of university instruction, is essential in order both that the laboratory schedule may be prepared and a lecture period selected to meet the requirements of the class as a whole. Enrollment later than the first week will not be permitted under any circumstances.]

121. Calibration and Use of Engineering Instruments.—Including thermometers, gas and steam meters, planimeters, steam engine indicators, absorption brakes, transmission dynamometers, and steam calorimeters. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Chemistry 7 and 4, Mathematics 2*b*, and Physics 11, 12, 13. Required of students in Mechanical Engineering.

3 units, autumn quarter (STEBBINS, SMITH)
Autumn, 31 Lec. TTh 9; Lab. 1:05–4:05 by arrangement

122. Valuation of Fuels and Oils for Engineering Purposes.—Includes determinations of the proximate analysis of coal; the calorific value of coals, fuel oils, and gas; the moisture contents of fuel oils; the density, viscosity, flash, burning, and chill points of oils, and the coefficient of friction of lubricated bearings. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Chemistry 7 and 4, Physics 13. Required of students in Mechanical Engineering. (Elective for students who take 7 units of Courses 106 and 126 in Electrical Engineering.)

3 units, winter quarter (STEBBINS, SMITH)
Winter, 31 Lec. TTh 9; Lab. 1:05–4:05 by arrangement

123. Heat Engines, Theory and Laboratory.—A brief course covering the fundamentals of theory and the general methods of testing steam boilers, engines and turbines, gas engines, and air compressors. (Two lectures per week and seven experiments, each requiring three hours in the laboratory and about twelve hours on reports.)

Open to all engineering majors (except Mechanical Engineers) who have completed Physics 13, Mathematics 3*a*, 3*b*, and Engineering 106.

4 units, winter quarter (ECKART) Lec. TTh 8; Lab. 1:05–4:05 by arrangement
Winter, 19

124. Testing of Engines, Boilers, and Compressors.—Includes valve setting, flue-gas analysis, economy tests of steam engines, and steam turbines, gas engines, boilers, and air compressors. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open only to students who have completed Physics 13, Mathematics 3*a*, 3*b*, Engineering 106, and Mechanical Engineering 132, 133; required of students in Mechanical Engineering.

3 units, spring quarter (STEBBINS, SMITH)
Spring, 24 Lec. TTh 11; Lab. 1:05–4:05 by arrangement

225. Testing of Hydraulic Machinery.—Includes tests of centrifugal, rotary, jet, and steam pumps, pulsometers, hydraulic rams, water wheels, and hydraulic turbines. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Engineering 106 and Mechanical Engineering 123, or 124, and 132.

3 units, autumn quarter (ECKART) Lec. TTh 8; Lab. 1:05–4:05 by arrangement
Autumn, 4

226. Testing of Heat Exchanges and Power Plant Auxiliaries.—Includes tests of feed-water heaters, economizers, condensers, injectors, blowers, turbo-compressors, and refrigerating machinery. (One lecture, one conference, three hours in the laboratory, and ten hours on reports per week.) Open to students who have completed Courses 124 and 225.

3 units, winter quarter (ECKART) Lec. TTh 11; Lab. 1:05–4:05 by arrangement
Winter, 3

227. Testing of a Complete Power Plant.—A comprehensive test which reviews and co-ordinates the work of Courses 121, 122, 124, 225, and 226 in Mechanical Engineering. The work includes the planning and arranging of all details, the calibration of all instruments, preliminary runs for valve and other adjustments in accordance with the code of the A.S.M.E. A final report to be made by the section as a whole, copies being prepared for each student and one for the laboratory files. Open only to students who have completed Mechanical Engineering 121, 122, 124, 225, and 226; will not be given unless at least six students register.

2 units, spring quarter (ECKART) By arrangement
Spring, 9

230. Experimental Investigation of Mechanical Engineering Problems.—Open to all students who have completed Courses 121, 122, and 124 and whose work has indicated their ability to carry on successfully advanced work of this nature. (A complete report of all work must be prepared for the laboratory files.)

3 to 6 units, autumn and *spring quarters (ECKART, STEBBINS, SMITH)
Autumn, 1; spring, 1 By arrangement

POWER PLANT ENGINEERING

132. Heat Engines.—Mechanical theory of heat and its applications. Fourth-year students in Mechanical Engineering. Prerequisites: Mathematics *2a, 2b*, and Physics 11, 12, and 13.

4 units, autumn quarter (CROSS, SMITH)
Autumn, 36 Lec. MWF 10; problem work as arranged

133. Heat Engines.—Continuation and application of Course 132. (Three lectures per week.) Required of fourth-year students in Mechanical Engineering.

4 units, winter quarter (CROSS, SMITH)
Winter, 34 Lec. MWF 10; problem work as arranged

234. Applied Thermodynamics.—Continuation of Courses 132 and 133. Irreversible operations, flow of gases and vapors, design of turbine nozzles. Application of thermodynamic theory to advanced and special problems. Prerequisite: Courses 132 and 133. Required of fifth-year students in Mechanical Engineering. (Three lectures per week.)

4 units, spring quarter (CROSS, SMITH)
Spring, 2 Lec. MWF 10; problem work as arranged

235. Central Power Stations.—Study of the principal problems presented by the design and operation of modern central power stations driven by heat prime movers. (Two lectures per week.)

3 units, autumn quarter (CROSS) Lec. TTh 9; problem work as arranged
Autumn, 5

236. Pumping Machinery.—Discussion of the principal problems arising in the design and operation of pumping machinery of various types, direct, centrifugal, rotary, propeller; and for various purposes, general service, boiler feed, fire service, mine drainage, irrigation, municipal supply, oil line

service, etc. (Two lectures per week.) Prerequisites: Course 132 and Engineering 106.

3 units, winter quarter (Cross) Lec. TTh 9; problem work as arranged
Winter, 16

237. Hydraulic Machinery and Power Stations.—Elements of hydraulic machinery with special reference to prime movers. Elements of the design of hydraulic power stations with special reference to modern hydroelectric practice; general control of water in tunnels and penstocks, surge chamber, control of surges and shocks, valves and regulating devices, penstocks and their installation, selection of units, characteristics of impulse and reaction types, speed regulation, installation tests, and special problems. Prerequisite: Engineering 106. (Four lectures and three hours' office work per week.)

5 units, spring quarter (Eckart) Lec. MTWTh 9; office work as arranged
Spring, 15

238. Power Plant Economics.—A brief study of fundamental financial calculations, equipment costs, best type of prime mover, economic size of units, load curves. (Two lectures per week with problems.)

3 units, spring quarter (Cross) Lec. TTh 9
Spring, 3

AERONAUTICS

140. Theory of Flight.—Discussion of elementary principles and application to the chief problems arising in the theoretical discussion of the flight of air-craft heavier than air. (Two lectures, with collateral problems.)

2 units, autumn quarter (Lesley)
Autumn, 2

141. Aërodynamic Laboratory.—Experimental investigation of airplane propellers and other aërodynamic problems.

3 units, winter and *spring quarters (Lesley) By arrangement
Winter, 2; spring, 4

SPECIAL RESEARCH

251. Thesis.—Investigation of some engineering problem. Required of candidates for degree of Engineer.

2 to 15 units, autumn, *winter, and *spring quarters (Entire Staff)
Autumn, 2; winter, 2; spring, 2 By arrangement

Fees.—Courses 1, 3, 5, 6, and 107, $10 each; Course 227, $3; Courses 121, 122, 123, 124, 225, and 226, $5 each; Course 230, $1.50 per credit hour; Courses 113*b*, 234, 235, 236, 238, 50 cents each.

ENGLISH

William Dinsmore Briggs, William Hawley Davis (Editor, University Press), Albert Léon Guérard (General Literature), Professors
Alwin Thaler (University of Tennessee), Acting Professor (Autumn Quarter)
John S. P. Tatlock (Harvard University), Acting Professor (Summer Quarter)
Henry David Gray, Howard Judson Hall, Frances Theresa Russell, Samuel Swayze Seward, Jr., Mary Yost (Dean of Women), Associate Professors

ARTHUR GARFIELD KENNEDY, EDITH RONALD MIRRIELEES, Assistant Professors
MARGERY BAILEY, FITZGERALD FLOURNOY, FREDERICK H. LAPE, EARL HARRY MCEUEN, FRANKLIN PRESCOTT ROLFE, Instructors
ALICE CECILIA COOPER, MARY ANDERSON HILL, Lecturers (Summer Quarter)

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

a) The courses ordinarily prescribed in the major subject include Chaucer, Shakespeare (Courses 25 and 159), the advanced courses (181, 182, 183, 184, 185) in the history of English literature (five quarters), and an advanced course in a single author (as Milton, Wordsworth, or Spenser), besides such preliminary courses in composition, vocal expression, or literature as may be advised in individual cases. In the advanced courses in English literature one of the two following substitutions may be made: (*a*) for Course 182, the course in Elizabethan Drama (170); or (*b*) for Course 183, the course in Modern English Fiction (168). Further, for Course 185, two or more of the Courses 21, 22, 23 may be substituted, if taken before the junior year. (For the requirements in the case of students making English and Public Speaking their major subject, see below under the Division of Public Speaking.)

b) Each student is required also to pursue work in one foreign language and literature sufficiently to obtain (1) a practical reading knowledge of the language, and (2) some acquaintance with its most important literature. Students should be sure that their language studies are so planned as to accomplish these ends. The requirement is not primarily a matter of formal credit-hours, but ordinarily demands a minimum of 24 units of college work, aside from elementary courses (two years in the high school or one in the university). Introductory courses in Latin and Greek, if pursued in the university, will be counted as college work. Those who make Latin or Greek their principal language are advised, in general, to include two years of work in a modern language among their elective studies; and those who have chosen a modern language are encouraged to include among their elections two years of work in Latin or Greek.

c) A course in English history is also prescribed for those who have not had a separate course in the subject in the high school.

Certain courses (such as 21 and 168, 14, 23, and 27), which cover more or less of the same ground, may not be elected by the same student without consultation with the instructors.

The Teacher's Recommendation.—The High School Teacher's Certificate is granted by the state to students who have fulfilled the state requirements as set forth in the *Information Bulletin,* involving for applicants without experience one full year of graduate study. Recommendation by the department is granted by vote to students whose work has been of high character. It should be distinctly understood that a mere passing grade does not entitle a candidate to the endorsement of the department. For major students of the department the courses ordinarily prescribed, in addition to those required for the degree of Bachelor of Arts, are The Modern English Language (198), Verse-Forms (199), and Teachers' English (200). For the courses required of students of other departments who seek a recommendation in English, as a major or minor subject, see the *Announcement of the School of Education.*

ADVANCED DEGREES

The candidate for the degree of Master of Arts in English must have (1) the equivalent of the requirements for the degree of Bachelor of Arts in English, (2) an elementary knowledge of Old English, (3) a reading knowledge of two foreign languages (preferably one ancient and one modern). The work for the degree must occupy at least one full year of graduate study in residence, the greater part in English, the remainder in related fields. The courses in English will be divided between the earlier and later periods. A thesis prepared under the direction of a member of the department must be presented by the candidate, demonstrating his power of concentrated, independent study; this thesis may be accepted in lieu of not more than nine units of work. In addition, he will be given a general examination on English literature.

For the conditions for acquiring the degree of Doctor of Philosophy, see the *Information* or the *Graduate Study Bulletin.*

LOWER DIVISION COURSES

A. Elementary Composition.—A one-quarter course required of all first-year undergraduates who do not pass the matriculation test in English.

1 unit, any quarter (Bailey and Others) TThS 8; MWF 8, 9, 1:05
Autumn, 83 (4 sections); winter, 139 (7 sections); spring, 81 (5 sections)

[For each student in Course *A*, except those who meet the requirement within a short time, a fee of $10 is charged.]

2. English Composition.

a) Narration and Description.

b) Exposition.

3 units, any two quarters (Seward, Hall, Mirrielees, Yost, Lape, Flournoy, and Others) TThS 8; MWF 8, 9, 10, 11, 1:05
Autumn, 398 (15 sections); winter, 430 (17 sections); spring, 350 (15 sections); summer, 54 (2 sections)

9a. American Literature.—To the Civil War. (See under 9*b*.)

5 units, autumn quarter (Hall) MTWThF 11
Autumn, 49

9b. American Literature.—From the Civil War to the present. Not open, except by special permission, to students having entrance credit in American literature. Open to seniors only with reduced credit.

3 units, winter quarter (Hall) MWF 1:05
Winter, 46

10. English Masterpieces.—A study of representative works of important English writers. (*a*) Writers before 1700 (3 units); (*b*) Writers of the 18th and 19th centuries (5 units). Open to others than first- or second-year students only with reduced credit. Not open to those who intend to major in English; excepting 10*a* to prospective English-Public Speaking major students.

3 or 5 units, any quarter (Mirrielees, Bailey, Flournoy, Lape)
(*a*) MTW 9; (*b*) MTWThF 9
Autumn, 116 (2 sections); winter, 98 (2 sections); spring, 159 (2 sections)

11. Introduction to Poetry.—A study of the nature, methods, and forms of poetry, with exercises in analysis and interpretation. Open to students of all departments; to seniors only with reduced credit. Courses 11 and 18 may not both be counted by the same student.

3 units (Seward)
[Not given in 1925–26]

12. Introduction to Essay Reading.—Essays, chiefly recent, designed to form a stimulating approach to this type of literature.
4 units, summer quarter (Russell) MTWF 9
Summer, 27

13. Biography.—A study of biographies and memoirs, with written reports. Limited to Lower Division students.
3 units, autumn quarter (Mirrielees) MTW 8
Autumn, 38

14. Tennyson.—A study of portions of Tennyson's poems, illustrating the growth of his literary art; designed for Lower Division students, and open to others by permission only.
4 units (Hall) [Not given in 1925–26]

18. Types of Poetry.—An introduction to English narrative and lyric poetry considered in respect to content, form, and the nature of its appeal. Courses 11 and 18 may not both be counted by the same student.
4 units, spring quarter (Hall) MTWF 1:05
Spring, 18

21. Victorian Novelists.—A study of the more important Victorian novelists. Courses 21, 22, and 23 are not open to students who expect to major in English. Not more than one of them may be counted toward a degree if Course 185 is also counted.
4 units, autumn quarter (Seward) [Not given in 1925–26]

22. Victorian Prose.—A study of the more important Victorian prose writers other than novelists. See under Course 21.
3 units, autumn quarter (Seward) MWF 10
Autumn, 11

23. Victorian Poetry.—A study of the more important Victorian poets. See under Course 21.
3 units (Seward) [Not given in 1925–26]

24. English Bible.—Representative portions of the Old Testament studied as literature.
3 units, winter quarter (Gray) MWF 10
Winter, 46

25. Shakespeare.—An introduction to Shakespeare, with rapid reading of most of the plays, in chronological sequence. Open to all students; continued in Course 159.
4 units, autumn, spring, and summer quarters (Bailey, Gray)
(autumn) MTWF 2; (spring) MTWF 10; (summer) MTThF 10
Autumn, 53; spring, 103; summer, 37

27. Browning.—An introductory course, open to all students.
4 units, spring quarter (Seward) [Not given in 1925–26]

ADVANCED COURSES

[Unless otherwise specified, the following courses are open to third-year and fourth-year students of all departments.]

130. Advanced Composition.—A course intermediate between the elementary and the more specialized branches of writing. Practice in various forms, with formulated criticism and illustrative reading.
4 units (Russell) [Not given in 1925–26]

131. Exposition.—An advanced course, intended primarily for students in scientific and professional lines. Special attention will be given to students preparing theses or other papers. Prerequisite: Course 2 or an equivalent.
4 units, autumn quarter (Hall) MTWF 10
Autumn, 14

132. Argumentation.—[See under Division of Public Speaking. The course is strongly commended to all English and other students.]

134. Dramatic Composition.—The principles of dramatic writing developed in connection with the student's own work. Enrollment limited; students must submit specimens of their work in advance.
3 units, winter, spring, and summer quarters (GRAY) MWF 1:05
Winter, 8; spring, 9; summer, 4

135. Verse Writing and Prosody.—Creative work in verse, with discussion of critical problems.
3 units, spring quarter (SEWARD) [Not given in 1925–26]
Spring, 16

136. Short Story Writing.—A study of the structure of the short story, with practice in story writing. Open by permission to qualified upperclassmen.
3 units, autumn, winter, and spring quarters (MIRRIELEES) MTW 11
Autumn, 4; winter, 20; spring, 12

137. Essay Writing.—Preparation of magazine articles, criticisms, and papers of both informal and analytical character. Prerequisite: Course 2.
3 units (RUSSELL) [Not given in 1925–26]

138. Narrative Writing.—Open by permission to students who have completed Course 136.
4 units, winter and spring quarters (MIRRIELEES) By arrangement
Winter, 2; spring, 2

139. Directed Reading.—Eight hours of reading weekly, with informal reports and discussion. The course furnishes an opportunity for students to read books which are not assigned in connection with their other courses. Open to a limited number of upperclass students from other departments; not to English major students. May not be taken for more than two quarters.
2 units, any quarter (GRAY, and OTHERS) MT 4, 5
Autumn, 73 (10 sections); winter, 76 (10 sections); spring, 66 (10 sections)

154a. The Short Story.—A history of the short story in English, with especial attention to its development during the nineteenth century.
5 units, autumn quarter (MIRRIELEES) MTWThF 9
Autumn, 25

154b. The Short Story.—A continuation of Course 154*a*.
3 units, winter quarter (MIRRIELEES) MTW 10
Winter, 12

156. Ballads.—Lectures and reports covering the origin, sources, and characteristics of the English and Scottish popular ballads. Class limited to sixteen.
3 units, winter and spring quarters (BAILEY) MWF 10
Winter, 10; spring, 6

158. Chaucer.—An elementary course, including an outline of Middle-English grammar.
3 units, autumn quarter; 4 units, summer quarter (KENNEDY, TATLOCK) MWF 10; MTWTh 3:00
Autumn, 37; summer, 21

159. Shakespeare.—A continuation of Course 25, devoted to a more intensive study of a few plays. Designed primarily for English major students in their third year; open to others on recommendation from Course 25.
3 units, autumn, winter, and summer quarters (GRAY, BAILEY) MWF 9
Autumn, 30; winter, 1; summer, 1

160. Spenser.
3 units (BRIGGS) [Not given in 1925–26]

161. Milton and His Age.
3 units, autumn quarter (THALER) MWF 11
Autumn, 10

162. Wordsworth.
3 units (HALL) [Not given in 1925–26]

163. Browning.—*The Ring and the Book* and a selection from the dramas and longer poems (the shorter poems being studied in Course 27).
4 units, summer quarter (RUSSELL) [Not given in 1925–26]

164. Carlyle.—A study of his essays, histories, and other works.
4 units, spring quarter (DAVIS) MTWF 9
Spring, 9

165. Emerson.—A study of his essays and poems.
3 units, autumn quarter (DAVIS) TThF 9
Autumn, 9

167. The Arthurian Legends.—Their origin and literary utilization from early times to the present.
3 units, autumn quarter (DAVIS) TThF 2
Autumn, 3

168. The English Novel.—The history of English prose fiction from DeFoe to the greater novelists of the nineteenth century.
4 units, spring quarter (BRIGGS) TWThF 10
Spring, 12

169. The Later European Novel.—Lectures on European and American fiction from 1856 to the present time, with the reading of representative novels and reports upon them. Open to third-year and fourth-year students of all departments.
3 units (GRAY) [Not given in 1925–26]

170. The English Drama to 1642.—The beginnings and development of the drama, with a special study of the greater Elizabethan dramatists.
4 units, summer quarter (BRIGGS) TWThF 11
Summer, 25

171. Later European Drama.—A study of Ibsen and of subsequent dramatists. Open to third-year and fourth-year students of all departments.
5 units, autumn quarter (GRAY) MTWThF 1
Autumn, 40

173. Contemporary Poetry.—A survey of English and American poetry since 1890, with especial attention to the poetic revival of the present time.
3 units, summer quarter (GRAY) MWF 9
Summer, 52

174. The Earlier English Essay.—A study of the essay as a type, from Bacon to the nineteenth century.
3 units (RUSSELL) [Not given in 1925–26]

175. The Later English Essay.—A continuation of Course 174, extending from the middle of the nineteenth century to the present.
3 units (RUSSELL) [Not given in 1925–26]

181. Medieval Literature, with special reference to Middle English.—The course will serve as a general introduction to medieval European literature, which is studied by types: romances, histories, lyrics, fabliaux, etc. This course is continued in Course 209.
4 units [Not given in 1925–26]

182. English Literature from 1557 to 1660, exclusive of the Drama.
4 units, spring quarter (BRIGGS) TWThF 11
Spring, 32

183. English Literature from 1660 to 1780.
4 units, autumn quarter (BAILEY) MWThF 11
Autumn, 41

184. English Literature from 1780 to 1832.
4 units, winter quarter (HALL) MTWF 11
Winter, 43

185. English Literature from 1832 to 1900.—Not open to those who have taken two or more of the courses in Victorian literature, 21, 22, and 23.
4 units, spring quarter (SEWARD) MTWF 10
Spring, 48

186. Criticism of Recent Literature.—Practical analysis and valuation; book reviews and discussions. Limited to eight seniors, admitted from any department on recommendation.
3 units, summer quarter (RUSSELL) MW 2:30–4
Summer, 6

[The following courses (190–199) are designed for both graduate and advanced undergraduate students, and are accepted for graduate credit in the programs of candidates for advanced degrees.]

190. American Poetry.—A study of the greater American poets with especial reference to their relation to English and Continental literature.
4 units, spring quarter (HALL) MTWF 11
Spring, 6

191. Essay Writing (advanced course).—An opportunity for the crystalizing and formulating of opinion on such subjects as education, government, recreation, art, and personal relationships. Open only on consultation with the instructor.
3 units (RUSSELL) [Not given in 1925–26]

192. Old English.—Elements of Old English grammar, with reading exercises.
4 units, winter and summer quarters (KENNEDY) MWThF 9
Winter, 10; summer, 4

193. English Literature and Political Thought.
4 units, one quarter (BRIGGS) [Not given in 1925–26]

194. History of English Criticism.—A study of critical theory from the Renaissance to the nineteenth century.
3 units, summer quarter (BRIGGS) By arrangement
Summer, 24

195. The Bible in Early English.—Lectures, with readings in translation.
3 units (KENNEDY) [Not given in 1925–26]

196a. Problems and Methods of General Literature: Literature and Civilization.—In this and the following courses a reading knowledge of one or more modern Continental languages is desirable, but not indispensable.
3 units, autumn quarter (GUÉRARD) MWF 3
Autumn, 22

196b. Problems and Methods of General Literature: Types of Criticism.—(See under Course 196*a*.)
3 units, winter quarter (GUÉRARD) MWF 3
Winter, 16

196c. Problems and Methods of General Literature: The Doctrine of Art for Art's Sake.—(See under Course 196*a*.)
3 units, spring quarter (GUÉRARD) MWF 3
Spring, 16

196d. Problems and Methods of General Literature: Literature and Language.
3 units, one quarter [Not given in 1925–26]

197. Ideal Commonwealths.—A study of the Utopian idea and related social and political conceptions, as expressed in literature.
3 units, summer quarter (Russell) MWF 10
Summer, 19

198. The Modern English Language.—A study of usage in pronunciation, grammar, etc., in the light of the history of the language.
3 units, spring quarter (Kennedy) MWF 9
Spring, 32

199. Verse Forms.—A study of metrics and verse forms in their relation to content, with special attention to problems in the reading and teaching of verse.
3 units, winter quarter (Seward) MWTh 1
Winter, 30

TEACHERS' COURSE

200. Teachers' Course in English.—A study of principles and methods, with special reference to secondary schools.
a. Composition (autumn and summer quarters). *b*. Literature (winter and summer quarters). For 200*c* and 200*d*, see the Division of Public Speaking.
3 units, autumn and winter quarters; 5 units, summer quarter (Seward, Cooper)
Autumn, 13; winter, 15; summer, 37 MTh 2:30–4; MTWThF 11

GRADUATE COURSES

201. Bibliography and Methods.—An introduction to the materials and methods of advanced study in English. Recommended for all candidates for higher degrees.
3 units, autumn quarter (Kennedy) MWF 9
Autumn, 11

202. Satire.—A study of the satiric element in literature, exemplified by some particular phase selected for specialization.
4 units (Russell) [Not given in 1925–26]

203. Tragedy.—A comparative study of the theory and practice of tragedy in various literatures.
4 units, winter and spring quarters (Gray) By arrangement
Winter, 8; spring, 1

204. Comedy.—An inquiry into the nature of the comic and into its literary uses, as exemplified especially in the drama.
4 units, winter quarter (Seward) TF 1–3
Winter, 7

206. The Napoleonic Legend in European and American Literature.—A study of the history and tradition of Napoleon. Prerequisites are a course (in school or college) in modern European history, and a reading knowledge of at least one modern Continental language.
3 units, autumn quarter (Guérard) MWF 2–3
Autumn, 10

207. The Spirit of 1848 in Europe.—Culmination and frustration of the Romantic ideal; the new scientific-industrial era. Prerequisites as for Course 206.
3 units, winter quarter (Guérard) MWF 2–3
Winter, 6

208. The Historical Spirit in Literature.—Its growth from 1700 to the present day. Prerequisites as for Course 206.
3 units, spring quarter (GUÉRARD) MWF 2–3
Spring, 7

209. Medieval Literature.—A continuation of Course 181, but may be taken by students who have not had the latter. Especial attention is paid to Dante and Chaucer.
3 units [Not given in 1925–26]

210. Chaucer (advanced course).—*The Canterbury Tales,* or the *Troilus,* will be studied, with attention to the structure and history of the work and its literary significance. This course may be taken for two quarters.
3 units [Not given in 1925–26]

211. Shakespeare.—An introduction to the bibliography of the subject, the history of the text, and methods of critical study; with a critical study of one or two plays.
4 units, spring quarter (GRAY) By arrangement
Spring, 8

215. Elizabethan Drama Seminary.
4 units
a. Webster and Ford, one quarter (GRAY) [Not given in 1925–26]
b. Marlowe, summer quarter (BRIGGS) TTh 2–4
Summer, 11

216. The Life and Thought of the Sixteenth Century.
4 units (BRIGGS) [Not given in 1925–26]

217. Eighteenth Century.—A study of the age of Johnson, with especial emphasis on the changing standards of criticism. Students are expected to elect the course for both quarters.
4 units, winter and spring quarters (BAILEY) Th 1–3
Winter, 4; spring, 9

218. Early English Seminary.
3 units, summer quarter (TATLOCK) By arrangement
Summer, 19

220. American Colonial Literature.—A research course. Prerequisites: American history and English literature of the eighteenth century.
4 units (HALL) [Not given in 1925–26]

225. History of the English Language.—A study of the earlier history of the language, and an introduction to Germanic philology. A knowledge of Old English is required.
4 units (KENNEDY) [Not given in 1925–26]

227. Middle English Readings.—Elements of grammar, and interpretation of selections from the literature.
3 units, winter quarter (KENNEDY) MWF 9
Winter, 2

228. Beowulf.—Course 192 or an equivalent is a prerequisite for this course.
4 units, spring quarter (KENNEDY) TTh 9–11
Spring, 5

229. The Medieval Drama.—Studies in its origin and character, and its relation to later drama.
3 units, autumn quarter (THALER) By arrangement
Autumn, 4

230. Studies in Elizabethan Poetry.—Students will be assigned subjects for independent investigation in the non-dramatic poetry of the sixteenth and seventeenth centuries.
4 units, autumn quarter (THALER) By arrangement
Autumn, 8

The English Review Club.—The club meets for the discussion of recent publications of interest to students of English on the second Monday of each month from 7:30 to 9 P.M. All English graduate students, members of the departmental faculty, and undergraduates doing advanced work are invited to attend the meetings.

DIVISION OF PUBLIC SPEAKING

LEE EMERSON BASSETT, Professor
JAMES GORDON EMERSON, Associate Professor
HENRY ARTHUR SHINN, Acting Associate Professor (Spring Quarter)
ELISABETH LEE BUCKINGHAM, Assistant Professor
GORDON ARTHUR DAVIS, Assistant Professor and Director of Dramatics
OLIVER EDWARD NORTON, Instructor
MARION CRAIG WENTWORTH, Acting Instructor
E. LESLIE KILER, Technical Assistant in Dramatics

The Division of Public Speaking offers such courses, together with personal conferences, as may help the student to gain self-control and self-reliance, to realize and use his latent resources and powers, and contribute to his usefulness as a citizen.

The courses in the Division offer instruction in the theory of argumentation and speech-making, and practice in the organization and presentation of speeches and arguments; bring the student in direct and vital contact with the thought and spirit of the best literature through the vocal rendering of it; give practical drill in the use of the voice, in phonetics and diction; provide training in stage technique and dramatics; and prepare candidates to teach the various branches of Public Speaking.

The requirements for the degree of Bachelor of Arts in English-Public Speaking are the satisfactory completion of about thirty units in Public Speaking, and, in addition, the following courses in English: the first part of the course in English Masterpieces (10*a*), Shakespeare (25), History of English Literature (183, 184), and three courses selected from the following list: 14, 21–3, 27 (or 163), 158–62, 170, 174, 181, 182, 185, 198. Candidates for the degree are required to have the same reading knowledge of at least one foreign language as English major students.

[NOTE.—*Courses in public speaking are, with a few exceptions, open to but a limited number of students.* Applications should be made on registration day, and the instructor reserves the right to refuse to enroll students who do not appear at the first meeting of the class. In general, Courses 4 to 6 are open to first-year students; Courses 7 to 21*b* to second-year students.]

4. Vocal Expression.—A study of the principles of oral expression and the vocal interpretation of masterpieces in prose and poetry, with supplementary work in voice development. Class recitations and personal conferences. Sections limited to twenty students.

3 units, autumn, *winter, and *spring quarters
autumn (WENTWORTH) MWF 8, 9; (BASSETT) MWF 11; (NORTON) MWF 11
winter (WENTWORTH) MWF 8, 11; (NORTON) MWF 11
spring (NORTON, WENTWORTH) MWF 9 (2 sections); (NORTON, WENTWORTH) MWF 11 (2 sections)
2½ to 5 units, summer quarter (BUCKINGHAM, NORTON) MTWThF 11 (NORTON) MTWThF 8

Autumn, 89 (4 sections); winter, 77 (3 sections); spring, 71 (3 sections); summer, 52 (2 sections)

5. Reading Aloud.—The oral rendering of various forms of literature. Particular attention will be given to rhythm, time, melody, quality, and other musical elements of verse. Assignments for general class practice and for individual study and rendition. Prerequisite: Course 4, or its equivalent. Sections limited to twenty students.

3 units, autumn, winter, and spring quarters (Bassett) autumn, MWF 9; winter, MWF 11

Autumn, 17; winter, 24; spring, 25

6. Practical Phonetics.—A course in the enunciation and pronunciation of the English language. Designed especially for foreign students.

1 unit, spring quarter (Bassett) T 1:05

Spring, 8

7. Extemporaneous Speaking.—Practice in extemporaneous speaking on subjects of current interest, with attention to the preparation of speech outlines. Not open to first-year students. Should preferably be preceded by Course 4. Sections limited to eighteen students.

3 units, autumn, *winter, and *spring quarters
autumn (Norton) MWF 8, 9; (Wentworth) MWF 11
winter (Wentworth) 9; (Norton) 8, 10
spring (Norton) 8; (Shinn) 9, 10

2½ units, summer quarter, first half (Emerson) MTWThF 9

Autumn, 61 (3 sections); winter, 77 (4 sections); spring, 77 (4 sections); summer, 28

8. Public Speaking.—Practice in the preparation and delivery of various types of speeches with particular reference to elements of attention. Prerequisite: Course 7. Limited to eighteen students.

3 units, autumn and *winter quarters (Bassett) MWF 10

2½ units, summer quarter, second half (Emerson) MTWThF 9

Autumn, 17; winter, 18; summer, 18

19a. Vocal Interpretation.—The oral interpretation of literature, both prose and poetry. Prerequisites: Courses 4 and 5. Limited to twenty students.

3 units, winter quarter (Bassett) [Not given in 1925–26]

19b. Vocal Interpretation: Dramatic Literature.—The study of short plays of literary and dramatic merit for presentation before the class. Parts will be assigned. Attention will be given to characterization and action. Prerequisites: Courses 4 and 5.

3 units, spring quarter (Wentworth) T 2:05–4:05; Th 3:05–4:05

Spring, 32

118. Reading and Staging Plays.—A course in play-reading and play giving with special reference to high school and amateur dramatics.

2 to 4 units, summer quarter, one or both halves (Buckingham) MW 2:05–4:05

Summer, 37

120. Practical Debate.—Under supervision of the department those students who work on intercollegiate debate questions may receive credit upon satisfactory completion of the work.

1 or 2 units, any quarter except summer (Shinn, Norton) By arrangement

Autumn, 7 (2 sections); winter, 14 (3 sections); spring, 6

121. Theatrical Workshop.—Practical instruction in stage technique and stage management with particular attention to the construction and designing of stage scenery, and to costuming, lighting, acting, and stage direction.

4 units, autumn, *winter, and *summer quarters (G. A. Davis, Kiler) TTh 1:05–3:05

2 units, spring quarter (Kiler) TTh 1:05–2:05

Autumn, 41; winter, 58; spring, 26; summer, 51

122. History of the Theater.—A historical survey of the origin and development of the theater; its social function and significance, and a study of various kinds of theaters.
2 units, winter quarter (G. A. Davis) MW 1:05
Winter, 20

123. Problems of Stage Presentations.—A study of methods of presentation of certain Greek and Elizabethan plays in their own and successive periods. Limited to 15 students.
2 units, autumn quarter (G. A. Davis) MW 1:05
Autumn, 16

132. Argumentation.—The theory of argumentation, with practice in the preparation of briefs and in the writing of arguments, together with a critical analysis of argumentative masterpieces. Open to all students who have made a satisfactory grade in English 2.
3 units, winter quarter (W. H. Davis) MWF 9
2½ units, summer quarter, first half (Emerson) MTWThF 10
Winter, 19; summer, 8

133. Public Speaking (advanced).—A study of models of speech composition and the preparation of original speeches, with special attention to the style of spoken discourse. Prerequisites: Courses 7, 8.
3 units, spring quarter (Bassett) MWF 10
Spring, 13

149. Voice Training.—Lectures on the voice, with class exercises. Limited to majors and minors in Public Speaking.
1 unit, winter quarter (Bassett) T 1:05
Winter, 15

151. Public Reading.—A course in the preparation of poems, stories, and scenes from novels and plays for public presentation. Prerequisites: Courses 4, 5, and 19*a*.
2 units, spring quarter (Bassett) T 2:05–4:05
Spring, 11

152. Oral Debate.—Practice in the preparation and delivery of oral arguments, chiefly on current public questions. Prerequisite: Course 132.
2 units, spring quarter (Shinn, Norton) W 2:05–4:05
2½ units (Emerson) MTWThF 10
Spring, 4

200c. Teachers' Course in Oral Reading.—A study of the principles of expressive speech and training in reading aloud, with assignments adapted to the needs of individual members of the class. The course is given in connection with the Teachers' Course in English Literature and Composition (see p. 235).
2 units, spring and summer quarters (Bassett, Buckingham)
Spring, 3; summer, 11 (spring) M 1:05–3:05; (summer) TTh 10

200d. Teachers' Course in Oral Expression.—A course in problems and methods of teaching the several branches of oral expression in secondary schools.
2 units, winter quarter (Bassett) M 1:05–3:05
Winter, 11

FOOD RESEARCH INSTITUTE

Carl Lucas Alsberg, Joseph Stancliffe Davis, Alonzo Englebert Taylor, Directors
Holbrook Working, Louis B. Zapoleon, Economists
Katharine Snodgrass, Research Associate

The Food Research Institute is organized under a grant from the Carnegie Corporation of New York for the purpose of studying the production, distribution, and consumption of food. Most of its investigations are conducted by the directors and the staff of the Institute.

The directors will guide a limited number of properly qualified students in research upon selected food problems. Such work will count under the usual terms toward the degrees of Master of Arts and Doctor of Philosophy.

RESEARCH COURSE

201. Food Research Problems.—Research upon subjects lying within the general field of food production, distribution, and consumption.
(Alsberg, Davis, Taylor) [Not given in 1925–26]

GEOLOGY

Bailey Willis, Professor Emeritus
Eliot Blackwelder, Austin Flint Rogers, James Perrin Smith, Cyrus Fisher Tolman, Professors
Warren DuPré Smith (University of Oregon), Acting Professor (Summer Quarter)
Paul F. Kerr, Acting Assistant Professor (Summer Quarter)
Solon Shedd, Curator of the Branner Library
Hubert Gregory Schenck, Acting Instructor
Stanley Carrollton Herold, Lecturer (Spring Quarter)

The Department of Geology offers training in preparation for the profession of geologist and also in part for that of mining engineer. At present the fields of work generally open to graduates of the department are those of mining geologist, petroleum geologist, state and federal geological surveys, university teaching and research.

Students who intend to graduate from the Department of Geology are advised to cover the fundamental courses in mathematics, physics, chemistry, and languages before the junior year. A first course in Geology and Mineralogy may well be included.

The courses offered in the Department of Geology are grouped as follows: (*a*) Geology, (*b*) Mineralogy and Petrography, (*c*) Economic Geology, (*d*) Paleontology and Stratigraphy. The following courses are generally required of all major students: Geology 1 (or 1*a*), 103, 104, 108, 109, 121, 122, 123, 124, 142, 143, 161, and 163; Engineering 1 and 2; Mathematics 1*a* and 1*b*, or their equivalent; Physics 1; Chemistry, through Qualitative Analysis; two years of French or German. In addition, it should be noted that Physics 4 is a prerequisite for Geology 123, and Civil Engineering 20 for Geology 108 and 109.

In general, advanced courses should be selected only after consultation with the instructor concerned.

For the degree of Bachelor of Arts in Geology, sixty units in the department are ordinarily required. The substitution of courses in closely related departments, which are of definite value in Geology, may be accepted by the department committee.

GEOLOGY

1. General Geology.—The earth, its materials, structure, and internal conditions; the processes which are at work upon and within it; and a brief survey of its historical development. Desirable preparation: Elementary Chemistry and Physics.

4 or 5 units, spring and *summer quarters (spring, BLACKWELDER, SCHENCK; summer, W. D. SMITH) Lec. MTWThF 8; Field Work by arrangement
Spring, 285; summer, 43

1a. Engineering Geology.—This is Geology 1 modified with special reference to the needs of engineers, but open to others. Prerequisites: Elementary Chemistry and Physics.

5 units, autumn quarter (SCHENCK) MTWThF 11
Autumn, 62

103. Structural Geology.—The conditions and processes of the earth's interior and their effects upon the material and structure of the earth. Prerequisite: Geology 1.

3 units, winter quarter (SCHENCK) MWF 9
Winter, 34

104. Physiographic Geology.—The operation of surface processes and the origin of land features. Prerequisite: Geology 1.

3 units, autumn quarter (BLACKWELDER) MWF 9
Autumn, 23

105. Regional Geology of North America.—The stratigraphy, structure and history of the geologic provinces of the continent. Prerequisites: Geology 103, 104, and 143.

3 units, autumn quarter (BLACKWELDER) [Not given in 1925–26]

108. Field Geology.—Field work with the Stanford Geological Survey. Summer camps are established in the Coast Ranges. During the first half of the summer quarter, the geology of the region reached from the camps is worked out and plotted upon topographic maps and sections. All methods of geological mapping where a topographic map is used as the base are taken up. Geologic mapping, controlled by instrumental surveying, is taken up during the second term in Geology 109. Prerequisites: Geology 103, 122, 123, 142, 143; Civil Engineering 20.

8 units, summer quarter, first half (TOLMAN, SCHENCK)
Summer, 28

109. Geologic and Topographic Surveying with the Plane Table.—During the second half quarter each student member of the Stanford Geological Survey prepares a detailed topographic and geologic map of an assigned area, controlled by accurate instrumental work.

7 units, summer quarter, second half (TOLMAN, SCHENCK)
Summer, 27

110. Geologic Problems or Thesis.—Advanced individual work for seniors and graduates.

3 to 5 units, each quarter (BLACKWELDER) By arrangement
Autumn, 8; winter, 5; spring, 3

111. Advanced Structural Geology.—Given in 1926 and alternate years. Prerequisite: Geology 103.

3 units, spring quarter (BLACKWELDER) MWF 9
Spring, 26

114. Geologic Literature.

2 to 3 units, spring quarter (SHEDD) By arrangement
Spring, 3

207. Sedimentation.—The characteristics of sedimentary deposits and their significance with reference to geologic history. Prerequisites: two years of Geology and Mineralogy, including Petrography.
5 units, winter quarter (BLACKWELDER) MTWThF 11
Winter, 13

211. Journal Club.—All graduate students, members of the faculty, and such undergraduates as may be chosen by the staff will meet weekly to consider papers on current research, reviews of new publications, etc. Each student will present at least one paper each quarter.
1 unit, autumn, winter, and spring quarters M 7:30 P.M.
Autumn, 13; winter, 10; spring, 12

215. Research in Physical Geology.
Each quarter (BLACKWELDER) Units and hours by arrangement
Autumn, 1; winter, 1; spring, 1

MINERALOGY AND PETROGRAPHY

121. Common Minerals and Rocks.—The study of the more common and important minerals, with a brief treatment of the prominent rock types. An elementary course, with emphasis upon sight determination and simple physical and chemical tests. Open to students who have had Qualitative Analysis.
4 units, autumn and spring quarters (ROGERS) Lec. WF 11; Lab. ThF 1:05–4:05
Autumn, 8; spring, 22

122. Mineralogy.—An elementary study of geometrical crystallography. The systematic study and determination of the more important non-silicate minerals. Introductory to advanced courses in mineralogy and petrography. Open to students who have had Qualitative Analysis. Engineering 3 (Descriptive Geometry) is recommended.
4 units, autumn quarter (ROGERS) Lec. TTh 11; Lab. MT 1:05–4:05
Autumn, 11

123. Mineralogy.—An elementary study of the optical properties of crystals, with emphasis upon the polarizing microscope as an instrument of research. Systematic study of the important silicate minerals and their determination by all available methods. Prerequisites: Geology 122, and Physics 4.
4 units, winter quarter (ROGERS) Lec. TTh 11; Lab. TTh 1:05–4:05
Winter, 16

124. Petrography.—Study of hand specimens and thin sections of the principal rock types and mineral deposits. In Courses 122 and 123 the properties or characters of minerals are considered, while Course 124 is primarily concerned with the relations between associated minerals with special reference to their occurrence and origin. Geology 122 and 123 are prerequisites.
5 units, spring quarter (ROGERS)
Spring, 18 Lec. WF 11; Lab. ThF and one period by arrangement, 1:05–4:05

225. Advanced Mineralogy.—Advanced work in crystallography, mineralogy, or petrography may be undertaken by properly prepared students.
2 to 5 units, autumn, winter, and spring quarters (ROGERS) By arrangement
Autumn, 4; winter, 3; spring, 2

PALEONTOLOGY AND STRATIGRAPHY

112. Advanced Geology.
3 units, summer quarter (SMITH)
Summer, 1

141. Systematic Paleontology.—History and character of fossils. Three lectures and six hours of laboratory work weekly.
4 units, autumn quarter (SMITH) MWF 10
Autumn, 19

142. Historical Geology.—History and character of geologic formations. Three lectures and six hours of laboratory work weekly.
4 units, winter quarter (SMITH) MWF 10
Winter, 44

143. Historical Geology.—Continuation of Course 142.
4 units, spring quarter (SMITH) MWF 10
Spring, 32

144. Systematic Conchology.—Special studies in Tertiary and Recent Conchology of the West Coast. One lecture and two afternoons of laboratory work weekly.
2 units, autumn quarter (SMITH) TTh 1:05–4:05
Autumn, 8

145. Tertiary Conchology of California.
2 units, winter quarter (SMITH) TTh 1:05–4:05
Winter, 8

146. Paleobotany of California.
2 units, spring quarter (SMITH) TTh 1:05–4:05
Spring, 2

147. General Geology of California.
2 units, autumn quarter (SMITH) TTh 10
Autumn, 18

148. Detailed Stratigraphy of California.
2 units, winter quarter (SMITH) TTh 10
Winter, 22

149. Stratigraphic History of the Great Basin.
2 units, spring quarter (SMITH) TTh 10
Spring, 12

250. Advanced Paleontology.—Original investigation of various problems in paleontology, especially of invertebrate morphology, and of the distribution of faunas. This course will consist entirely of private work in field and laboratory. Open to advanced students and graduates.
2 to 5 units, all quarters (SMITH) By arrangement
Autumn, 4; winter, 6; spring, 5

251. Micropaleontology.—A study of the microscopic organisms occurring as fossils, with emphasis upon the Foraminifera. Prerequisites: Geology 141, 142, and 143.
2 to 5 units, each quarter (SCHENCK) Lec. W 1:05; Lab. by arrangement
Autumn, 10; winter, 8; spring, 7

ECONOMIC GEOLOGY

161. Nonmetals.—The occurrence, distribution, origin, and geologic methods of investigation of the nonmetallic substances. Prerequisites: Geology 1, 121, 142, and 143.
4 units, winter quarter (TOLMAN) MTWTh 8
Winter, 22

162. Geology of Oil and Coal.—Elementary course dealing with the origin and accumulation of coal and oil. Review of the important coal fields and oil districts of the world. Course 103 in the Mining and Metallurgy Department may be substituted for this course if desired. Prerequisite: Geology 161.
4 units, spring quarter (TOLMAN) [Given in alternate years; not given in 1925–26]

163. Ores.—The ore-forming processes, modes of occurrence of the various types of ore bodies, and the structures of the ores. A review of the important ore deposits of the United States and of the world. Open to students who have completed Geology 1, 121, 142, and are taking or have completed 143.

4 units, spring quarter (TOLMAN) (Given in alternate years) MTWTh 8
Spring, 18

265. Seminar in the Origin and Accumulation of Oil.—(Same as Mining and Metallurgy 250.) A critical study of the literature with reference to the origin and accumulation of oil. Students admitted only after personal consultation with the instructor.

4 units, spring quarter (TOLMAN) (Given in alternate years) TTh 9–11
Spring, 11

266. Seminar in Ore Deposits.—This includes: (1) methods of preparing polished surfaces; (2) all microscopic and chemical methods of determination of minerals in polished surfaces; (3) a review of the literature of ore deposits, especially certain important publications of the U.S. Geological Survey, and the checking of the results appearing in this literature by a study of suites of specimens from the mines. Prerequisite: Geology 124. For seniors and graduate students. (Three lecture and conference periods and three [or more] laboratory periods.)

6 or more units, winter quarter (TOLMAN) TTh 9–11
Winter, 7

267. Special Courses.—These include: (*a*) a study of the literature of some special phase of economic geology, with a thesis; (*b*) field investigations of some mine or mineral district, or the general economic geology of an assigned area; (*c*) microscopic studies of ores collected during field studies, or miscroscopic investigation of suites of specimens owned by the University. (For graduate students; in exceptional cases seniors will be admitted.)

Winter and spring quarters (TOLMAN) By arrangement
Winter, 1; spring, 8

275. Mechanics of Gas and Oil Well Production.

4 units, spring quarter (HEROLD) By arrangement
Spring, 2

GERMANIC LANGUAGES

WILLIAM ALPHA COOPER, KARL GUSTAV RENDTORFF, Professors
BRUNO BOEZINGER, Associate Professor
AUGUST CARL MAHR, Assistant Professor
HELENA MAY NYE, Instructor
CLARA EBERHARD, WALTER GIESEKE, Assistants in Instruction

The elementary and intermediate courses listed below are designed to prepare students to read German without translation, and to express ideas in simple German prose. Those who have completed Courses 101, 102, and 103 may take any more advanced course for which, in the judgment of the instructor in charge, they are prepared. Courses 188, 191, and 192 are given entirely in English; the other advanced courses presuppose considerable facility in reading German, and some of them are conducted in German. Courses not

assigned to any particular quarter, and with "by arrangement" instead of definite hours in the time schedule, will be given whenever there is sufficient demand for them.

Candidates for the degree of Bachelor of Arts in Germanic Languages are expected to take thirty units beyond second-year German, *i.e.*, from courses numbered 101, 102, 103, 111, and higher.

Candidates for the Teacher's Recommendation in German as a major subject are expected to take second-year German (fifteen units) and the following: fifteen units elected from Courses 101–104, 111, and 151; two units from Courses 161, 162, 163, and 231; fifteen units from Courses 174–179, 182–187, 200, 224; and two units from Courses 191–193. Proficiency in German will be insisted upon.

Candidates for the Teacher's Recommendation in German as a minor subject are expected to take, in addition to second-year German (fifteen units), fifteen units elected from Courses 101–104, 111, 151, 161, 162, 163, 174–179, and 182–188. Proficiency in German will be insisted upon.

Candidates for the degree of Master of Arts in Germanic Languages are expected to take fifteen units, including Course 251, in addition to the requirements for the degree of Bachelor of Arts.

Candidates for the degree of Doctor of Philosophy are referred to the bulletin, *Graduate Study*.

The library facilities are good, and the collections are being strengthened in all directions. The private library of the late Professor Hildebrand, of the University of Leipzig, furnishes valuable material, particularly in the older literature and in lexicography. In modern literature the library offers good opportunities for advanced work, the Goethe collection being especially satisfactory. The files and the current numbers of the most important journals are at hand.

The department maintains, in Room 112, a special library of its own, including a collection of German textbooks and a model reference library for a secondary-school teacher. This collection of books is supplemented by an extensive collection of maps, wall pictures, and lantern slides, suited for use in teaching.

For Courses 1, 2, and 3, First-year German, a special University fee of $7.50 per quarter is charged.

1. First-year German.—It is the object of this course to put the student in possession of the elements of the German language. This implies: (1) a personal command of simple German, that is, the ability to understand such German, whether heard or read, and to employ the language in simple conversation, narration, and description, both orally and in writing; (2) such a ready familiarity with the elements of German grammar as is essential for the attainment of this command of the language.

5 units, autumn and summer quarters (EBERHARD, GIESEKE, MAHR, NYE)
(autumn) MTWThF 8, 9, 11; (winter) MTWThF 11

Autumn, 150; winter, 39; summer, 1

2. First-year German.—A continuation of Course 1.

5 units, winter and *spring quarters (EBERHARD, GIESEKE, MAHR, NYE)
(winter) MTWThF 8, 9, 11; (spring) MTWThF 11

Winter, 133; spring, 40

3. First-year German.—Beside being a continuation of Course 2, this course affords, in the autumn quarter, an opportunity for students with more than one and less than two years of high-school German to prepare

themselves to take up second-year college German (Course 21) in the winter quarter.

5 units, spring and *autumn quarters (Eberhard, Gieseke, Mahr, Nye)
(spring) MTWThF 8, 9, 11; (autumn) MTWThF 9
Autumn, 24; spring, 118 (5 sections)

[Note.—Courses 1, 2, and 3, together, are equivalent to two years of German in the high school, and may be taken by students who have presented no units of credit in German for entrance into the University. Those who present one unit for entrance may take Courses 2 and 3.]

11. Special Elementary Course.—The aim of this course is to prepare candidates for the degree of Doctor of Philosophy in other departments to read the literature in German in their particular fields. A rapid review of the elements of German grammar is followed by intensive practice in reading and translation. Course 1 should precede this course. Permission of the instructor necessary before registration.

2 units, winter quarter (Cooper) By arrangement
Winter, 12

15. German Pronunciation.—Practice in reading aloud and declaiming. Prerequisites: Courses 1 and 2.

1 unit, spring and summer quarters (Gieseke) By arrangement
Spring, 16; summer, 3

20a. Free Reading, Literary.—Open to students who have had a year or more of German. Permission of the instructor necessary before registration. Thirty-six hours of reading per unit, and weekly conferences with the instructor.

1 or 2 units, each quarter (Eberhard, Gieseke, Nye) By arrangement
Autumn, 33; winter, 30; spring, 42; summer, 10

20b. Free Reading, Science.—Requirements the same as for 20*a*.

1 to 3 units, each quarter (Eberhard, Boezinger, Nye) By arrangement
Autumn, 21; winter, 10; spring, 12; summer, 4

21. Second-year German.—The aim of this course is to extend and strengthen the student's personal command of German, both oral and written. The course is taken to best advantage as a whole, but may be taken in part, either the division 21*a*, which is devoted to the reading and discussion in German of texts selected from the writings of contemporary or late nineteenth century authors, or the division 21*b*, which affords training in composition, conversation, and practical grammar.

21a. Second-year Reading.

3 units, autumn and *winter quarters (Cooper, Eberhard, Mahr, Nye)
Autumn, 52; winter, 14 (autumn) MWF 9, 10, 11; (winter) 9

21b. Second-year Composition.

2 units, autumn and *winter quarters (Eberhard, Mahr)
Autumn, 12; winter, 3 (autumn) TTh 11; (winter) 9

22. Second-year German.—A continuation of Course 21.

22a. Second-year Reading.

3 units, winter and *spring quarters (Boezinger, Eberhard, Mahr, Nye)
Winter, 22; spring, 10 (winter) MWF 9, 10, 11; (spring) 9

22b. Second-year Composition.

2 units, winter and *spring quarters (Boezinger, Gieseke) TTh 9
Winter, 5; spring, 4

23. Second-year German.—A continuation of Course 22.

23a. Second-year Reading.

3 units, spring quarter (Boezinger, Mahr, Nye) MWF 9, 10, 11
Spring, 17 (2 sections)

23b. Second-year Composition.
2 units, spring quarter (BOEZINGER) TTh 9
Spring, 4

[NOTE.—Second-year German (which includes Courses 21, 22, and 23) is the equivalent of the third and fourth years of German in the high school. Students who present three units in German for entrance may take Courses 22 and 23, or 23 and 24.]

24. Second-year German.

24a. Second-year Reading.
3 units, summer quarter (GIESEKE) MWF 8
Summer, 4

24b. Second-year Composition.
2 units, summer quarter (GIESEKE) TTh 8
Summer, 4

25. Science German.
3 units, winter quarter (BOEZINGER) MWF 11
Winter, 12

26. Science German.—A continuation of Course 25.
3 units, spring quarter (BOEZINGER) MWF 11
Spring, 5

27. Science German.—A continuation of Course 26.
3 units, summer quarter (BOEZINGER) MWF 9
Summer, 4

[NOTE.—Courses 25, 26, and 27 form one continuous course, but credit may be obtained for the work of any quarter separately. Prerequisites: Courses 1, 2, and 3, or two entrance units in German. Not open to freshman students.]

100. Directed Reading in Science German.—Prerequisite: Second-year German or Science German, three quarters. Thirty-six hours of reading per unit, and weekly reports to the instructor.
1 to 3 units, winter, spring, and summer quarters (BOEZINGER) By arrangement
Winter, 2; spring, 2; summer, 6

101. Novels.—A course in rapid reading of modern novels, with discussions in German of their subject matter and technique.
3 units, autumn quarter (COOPER) MWF 11
Autumn, 12

102. Classical Dramas.—A continuation of Course 101, the works read being, for the most part, dramas of the Classical period.
3 units, winter quarter (COOPER) MWF 11
Winter, 9

103. Recent Dramas.—A continuation of Course 101, the works read being, for the most part, dramas of the last fifty years.
3 units, spring quarter (MAHR) MWF 8
Spring, 2

104. Dramas and Novels.—A continuation of Course 101.
3 units, summer quarter (COOPER) MWF 9
Summer, 5

111. Advanced Composition.—By composition is meant, not translation from English, but the employment in connected prose of German material either gathered from reading or specially assigned by the instructor.
1 or 2 units, each quarter (BOEZINGER, MAHR) By arrangement
Autumn, 1; spring, 1

120. Deutschland in Bildern.—Lectures in German, with stereopticon. This course may be taken for credit more than one quarter.
1 unit, autumn and winter quarters (MAHR) TTh 10
Autumn, 26; winter, 39

130. Die Schweiz in Bildern.—Lectures in German, with stereopticon.
1 unit, spring quarter (BOEZINGER) TTh 10
1 unit, summer quarter (BOEZINGER) TTh 11
Spring, 39; summer, 19

150. Directed Reading.—Prerequisites: Second-year German for three quarters, and, if possible, one or more of the Courses 101 to 104. Individual courses of reading, suited to special needs and desires. Thirty-six hours of reading per unit, and brief interviews, once a week, with the instructor.
1 or 2 units, each quarter (COOPER, RENDTORFF) By arrangement
Autumn, 7; winter, 8; spring, 2; summer, 11

151. Individual Composition.—The aim of this course is to develop correct, idiomatic, and adequate expression.
1 unit, each quarter (BOEZINGER, MAHR, RENDTORFF) By arrangement
Autumn, 1; winter, 3; spring, 1

152. Individual Work.—Training in other lines than directed reading, to meet special needs.
1 or 2 units, each quarter (COOPER, MAHR, RENDTORFF) By arrangement
Autumn, 3; winter, 3; spring, 1

161. German Syntax.
2 units, winter quarter (MAHR) [Not given in 1925–26]

162. German Etymology.—Study of word formation.
2 units (COOPER)

163. Word Studies.—Study of selected words in their relation to cultural history.
2 units, summer quarter (COOPER) TTh 9
Summer, 2

171. German Lyrics.
2 units, spring quarter (MAHR) TTh 8
Spring, 3

174. Goethe's Lyrics.—A study of Goethe's lyrics in relation to his life and to his conception of the poet's calling.
3 units (COOPER) [Not given in 1925–26]

175. Goethe's *Faust*, First Part.—Course conducted in German.
3 units, autumn quarter (COOPER) MWF 8
Autumn, 3

176. Goethe's *Faust*, Second Part.—Course conducted in German.
2 units, winter quarter (COOPER) TTh 8
Winter, 4

177. Schiller's Works.
2 units, winter and spring quarters (RENDTORFF) TTh 10
Winter, 3; spring, 3

179. Keller's Works.
2 units, autumn quarter (RENDTORFF) TTh 10
2 units, summer quarter (BOEZINGER) TTh 11
Autumn, 3; summer, 2

182. History of the Nineteenth Century Literature.
3 units, autumn quarter (RENDTORFF) [Not given in 1925–26]

185. Current Literary Movements.
3 units, spring quarter (RENDTORFF) MWF 10
Spring, 4

186. The Development of the Drama.
2 units, summer quarter (COOPER) TTh 8
Summer, 2

187. The Development of the Novel.
3 units [Not given in 1925–26]

188. General Survey of German Literature.—Lectures in English, readings from English translations.
2 units, winter quarter (RENDTORFF) MW 10
Winter, 15

191. History of Germany.—A general survey, with particular emphasis on the period since 1848.
3 units, autumn quarter (RENDTORFF) MWF 8
Autumn, 22

192. History of German Civilization.—Lectures, with stereopticon.
2 units, winter quarter (RENDTORFF) MW 2:05–4:05
Winter, 8

195. Tacitus' *Germania*.—Interpretation of the Latin text and discussion of its value as a source for the study of German antiquity.
2 units, winter quarter (MAHR) By arrangement
Winter, 2

200b. German Teacher's Course.—Instruction and practice in progressive methods; examination of textbooks and illustrative material.
2 units, autumn and winter quarters (COOPER) TTh 9
Autumn, 1; winter, 3

200d. Practice in Teaching of Elementary German.
3 units, autumn, winter, and spring quarters (COOPER, NYE) [Not given in 1925–26]

221. Gothic.
2 units (BOEZINGER) [Not given in 1925–26]

223. Old High German.
2 units, spring quarter (MAHR) By arrangement
Spring, 2

224. Middle High German.—Grammar and selected texts.
2 units, winter and spring quarters (RENDTORFF) By arrangement
Winter, 1; spring, 3

231. Comparative Grammar of German and English.
3 units [Not given in 1925–26]

241. Seminary.
3 units [Not given in 1925–26]

251. Master's Thesis.—The candidate reports weekly to the instructor in charge for criticism, the work extending over three quarters, as a rule.
1 to 3 units, each quarter (COOPER, RENDTORFF) By arrangement
Autumn, 1; winter, 2; spring, 2; summer, 1

252. Department Research Club.—Co-operative investigation of linguistic and literary problems by members of the department faculty.

HISTORY

PAYSON JACKSON TREAT, EPHRAIM DOUGLASS ADAMS, FRANK ALFRED GOLDER, EDWARD MASLIN HULME, †PERCY ALVIN MARTIN, EDGAR EUGENE ROBINSON, Professors

ISAAC JOSLIN COX (Northwestern University), Acting Professor (Autumn Quarter)

EUGENE IRVING MCCORMAC (University of California), ALFRED FRANCIS PRIBRAM (University of Vienna), Acting Professors (Summer Quarter)

† Absent on leave, 1925–26.

YAMATO ICHIHASHI, RALPH HASWELL LUTZ, Associate Professors
JAMES FRED RIPPY (University of Chicago), Acting Associate Professor (Spring Quarter)
CARL FREMONT BRAND, Assistant Professor
HAROLD HENRY FISHER, LEON N. LITOSHENKO, Lecturers

The Department of History provides a liberal course for the degree of Bachelor of Arts, offers opportunity for graduate study leading to higher degrees in certain selected fields in which the University is especially well equipped, trains teachers of History, and renders a general service to the other departments of the University.

In addition to its more specialized work, the department offers a number of courses grouped as (I) Introductory and (II) Advanced Lecture Courses intended to meet the general needs of the University constituency. The underlying principle of these courses is that they shall be useful, not in the utilitarian sense, but in the sense that they aid in equipping the student for his duties as a citizen and in giving him instruction that may be helpful in such work as Law, Journalism, Library Research, State and National Public Service, and in business where a knowledge of domestic and foreign affairs is desirable.

For History majors the curriculum for the degree of Bachelor of Arts is designed to familiarize the student with the fundamentals and methods of the chief branches of knowledge, and with the methods of historical science. With this object in view, a general system of advice and requirement has been outlined, but it may be varied to suit the circumstances of the truly exceptional student. Under the four-quarter system 180 units are required for graduation. The general system of the History Department prescribes 45 units of History, of which 3 are required in an Introductory Seminar, and 6 in one or two Seminar Courses. In addition to the requirements of the Lower Division the department requires 8 units in Economics or Political Science, and a reading knowledge of at least one foreign language by the end of the junior year.

Advanced Degrees.—Graduate students, candidates for advanced degrees, are desired and will be given personal guidance, but the purposeless graduate student will not be accepted by the department. For the opportunities of graduate study in History see University bulletin, *Graduate Study.*

Graduate students seeking to fulfill the requirements of the State Board of Education for the Teacher's Certificate will be given the necessary aid and opportunities, but will register as majors in the School of Education. (See *Announcement of the School of Education.*)

The Teacher's Recommendation in History.—Applicants for the departmental recommendation, as a major, must have completed in a manner acceptable to the department at least 42 units of History, as follows: (1) Seminar Courses aggregating at least 6 units; (2) Introductory Seminar Course, 3 units; (3) the Teacher's Course in History (History 200), 3 units; (4) 30 units in the group of courses selected from the following fields: Medieval and Modern History (Courses 10–14 inclusive); English History (Courses 16 and 17); Far Eastern History (Courses 27–32 inclusive); American History (Courses 21–24 inclusive); Latin-American History (Courses 36 and 37). History majors may substitute for any two of the Introductory Courses 6 units of Ancient History as offered by the Department of Classical Literature.

As prerequisite to the departmental recommendation in History for the high school teacher's certificate as a minor the student must have completed at least 27 units in either European or American History, as follows:

1. For the minor in European History: (*a*) 15 units in the group of Introductory Courses; (*b*) 6 units of Advanced Lecture Courses in the fields of European History, English History, or Far Eastern History; (*c*) 3 units in an Introductory Seminar Course in one of the above fields; (*d*) the Teacher's Course in History, 3 units.

2. For the minor in American History: the same requirements as in European History except that the Advanced Lecture Courses and the Introductory Seminar Course must be in American History or Latin-American History.

Students taking History as a major with the intention of preparing for Journalism are referred to the heading Journalism on page 350.

I. INTRODUCTORY COURSES

[**Greek History.**—See under Classical Literature, Courses C1, 2, 3, 4.]

[**Roman History.**—See under Classical Literature, Course C5.]

10. European History, 395–1300.—A general course dealing with the development of medieval life and institutions, with special attention to feudal conditions, and also to the church as the controlling force influencing every element of the life of the time. Open to all students.

3 units, autumn quarter (HULME) MWF 9
Autumn, 318

11. European History, 1300–1600.—A continuation of History 10, with special emphasis upon the Renaissance and the Reformation. Open to all students.

3 units, winter quarter (HULME) MWF 9
Winter, 330

12. Europe Since 1600.—A survey of the political, economic, and social development of the European nationalities, with special emphasis upon the period of absolutism, industrial revolution, French revolution, growth of democracy and nationalism, and the Great War. Open to all students.

3 units, spring quarter (LUTZ) MWF 9
Spring, 242

13. The History of Modern France.—A general survey course of institutional, social, and political development from the foundation of Bourbon absolutism to the close of the Great War. Open to all except freshman students.

2 units, winter quarter (LUTZ) TTh 11
Winter, 69

14. History of Russia.—A general survey of the beginnings and earlier period of Russian history. Open to all except freshman students.

5 units, spring and *summer quarters (GOLDER) MTWThF 8
Spring, 52; summer, 35

16. English History to 1603.—A general outline course on the making of the English state and nation to the death of Elizabeth, with emphasis upon events and institutions especially significant for the later history of the English-speaking peoples. Open to all students, though especially intended for those in the Lower Division.

5 units, autumn quarter (BRAND) MTWThF 11
Autumn, 169

17. England Since 1603, and British Overseas Expansion.—A continuation of History 16.
4 units, winter and *summer quarters (BRAND) MTWF 11
Winter, 161; summer, 43

21. American History, 1607–1789.—A survey of the English colonization of the Atlantic Seaboard and of the westward movement of colonists of the British Empire, followed by a consideration of the Revolution and of the formation of the American government. Open to all students.
3 units, autumn quarter (ROBINSON), summer quarter (MCCORMAC) MWF 10
Autumn, 234; summer, 72

22. American History, 1789–1848. — Presidential administrations from Washington to Polk; the War of 1812; industrial changes and expansion; abolition; political changes; territorial expansion. Open to all students.
3 units, winter quarter (ADAMS) MWF 10
Winter, 303

23. American History, 1848–1920.—Slavery issues; the Civil War; reconstruction; industrial changes; new political parties and theories; the United States and world politics. Open to all students.
3 units, spring quarter (ADAMS) MWF 10
Spring, 308

24. The Westward Movement.—A survey of the expansion of the American people into the Mississippi Valley, and the American occupation of the Pacific Northwest and of California. Open to all except freshman students.
5 units, spring quarter (ROBINSON) MTWThF 8
Spring, 67

27. The Far East.—An account of the relations between Western nations and the peoples of Eastern Asia. Emphasis is placed upon international relations, especially since the middle of the nineteenth century, rather than upon the domestic history of the Eastern nations. The work of the Portuguese, Dutch, and British is studied and special attention is given to the rise of the British Empire in India. Open to all except freshman students.
5 units, autumn quarter (TREAT) MTWThF 9
Autumn, 145

28. The Far East.—The relations of the West with China, Indo-China, Japan, and the Philippines. Open to all except freshman students.
5 units, winter quarter (TREAT) MTWThF 9
Winter, 195

31. History of Japan.—A general survey of the political, social, and economic development from the foundation of the empire to the present time. Open to all except freshman students.
5 units, spring quarter (ICHIHASHI) MTWThF 9
Spring, 87

36. History of Spanish America.—An outline course, dealing chiefly with the Spanish Colonial System and the Spanish-American Wars of Independence. Open to all except freshman students.
5 units, autumn quarter (COX) MTWThF 10
Autumn, 127

37. History of South America Since 1823.—A continuation of History 36. An outline course dealing with the history and institutions of the leading nations of South America; includes the discussion of such topics as the Monroe Doctrine, Pan-Americanism, and the relations between the United States and Latin America.
5 units, spring quarter (RIPPY) MTWThF 9
Spring, 117

40. The Great War.—A survey of the causes, campaigns, and results of the war of 1914. Open to all students.
3 units, spring quarter (FISHER) MWF 11
Spring, 193

II. ADVANCED LECTURE COURSES

[The courses in this group are intended for students of at least junior standing, but sophomores may be admitted at the discretion of the instructor.]

[**History of Roman Civilization.** — See under Classical Literature, Course C6.]

138. European Thought and Culture.—The history of various movements of thought and ideals of culture and conduct that have been influential in the life of Western Europe.
2 units, spring quarter (HULME) TTh 10
Spring, 216

139. The End of the Middle Ages.—A study of the phenomena, such as the rise of towns, of new nations, and of new thought, that, in the twelfth and thirteenth centuries, prepared the way for the Renaissance.
3 units, autumn quarter (HULME) MWF 10
Autumn, 28

140. The Italian Renaissance.—The development of the new humanism in its relations to the political, social, and religious life of the time. The lectures will deal with the sources as well as the evolution of the new and broadening thought of this critical and formulative period; with the revival of nationality and individuality, of literature, of art, of science, and of conscience, with the changing economic and social conditions; and with the development of political theory and the transformation of law.
3 units, spring quarter ((HULME) [Not given in 1925–26]

141. The Reformation.—A study of the causes of the ecclesiastical revolt in the sixteenth century, of the progress of the movement in its various phases, of its more immediate results, and of its bearing upon the life and thought of our own day.
3 units (HULME) [Not given in 1925–26]

142. The French Revolution and the Napoleonic Era.—A study of the conditions in France before 1789, the Revolution from 1789 to 1799, the organization of France under Napoleon, the character of the Napoleonic empire, the reorganization of Europe, 1814–1815, and the attempt to create a European Federation.
3 units, winter quarter (LUTZ) MWF 10
Winter, 53

143. Europe Since 1815.—A course of lectures on the conflict of Reaction and Liberalism, the Industrial Revolution, the emergence of class consciousness, nationalism and imperialism, the Great War and the terms of peace.
3 units, autumn quarter (LUTZ) MWF 10
Autumn, 31

144. The System of European Alliances, 1871–1918.
2 units, summer quarter (PRIBRAM) TTh 10
Summer, 42

145. Imperialism and Nationalism.—Lectures on the characteristics and effects of imperialism and nationalism, particularly their relation to world politics in the period 1878–1920.
3 units, summer quarter (FISHER) MWF 11
Summer, 38

146. Propaganda and Censorship.—The methods and materials of war and postwar propaganda; censorship; the effects of propaganda and censorship on political and social thought during and since the war.
3 units (FISHER) [Not given in 1925–26]

152. The Russian Revolution.—A political and social study of Russia during the war and the revolution.
3 units, autumn quarter (GOLDER) [Not given in 1925–26]

153. The New Europe.—A study of the European situation since the Armistice, with emphasis on its economic and social aspects.
3 units, autumn quarter (FISHER) MWF 9
Autumn, 40

154. Central Europe and the Balkans.—A survey of domestic and international developments from 1815 to 1920.
3 units (GOLDER) [Not given in 1925–26]

155. The Peace Negotiations.—A study of the war aims and peace negotiations, 1915–1920.
3 units (GOLDER) [Not given in 1925–26]

156. History of Canada.—A survey of the evolution of the Dominion of Canada. Preliminary consideration of the periods of discovery, of early trade and settlement by French and British, and of the contest between France and Britain for empire, followed by a survey of the further development of the several colonies, their achievement of responsible government, their consolidation and expansion into a continent-wide federal dominion and growth to autonomous nationhood as a member of the British Empire Commonwealth. Emphasis also upon the significance in Canadian History of Canada's nearness to and relations with the United States.
4 units, summer quarter (BRAND) MTWTh 11
Summer, 37

[**157. History of Germany.**—See Germanic Languages 191.]

158. British Constitutional History.—An attempt to explain the development, the underlying principles, and the operation of the British constitution. It is also the aim of the course to give a background for American constitutional history.
4 units (BRAND) [Not given in 1925–26]

162. History of the West.—A consideration of the political phases of the expansion of the American people; an examination of new issues and new groups that have risen in the West and their influence upon national party history.
3 units, winter quarter (ROBINSON) MWF 9
Winter, 41

164. British-American Diplomatic Relations.—Lectures and reading on those incidents or conditions in foreign policy where the United States has come into conflict or contact with the foreign policy of Great Britain and her colonies; with a survey of the general purpose of British and of American foreign policy throughout the hundred-year period.
3 units, autumn quarter (ADAMS) MWF 10
Autumn, 34

166. History of Australasia.—An account of British colonization in Australia and New Zealand to the present time. Open to third-year students who have a satisfactory knowledge of English history.
3 units, spring quarter (TREAT) [Not given in 1925–26]

167. Tropical Colonization in the Far East.—A study of the present methods of the English, Dutch, French, and American governments in their tropical dependencies in the Far East. Open to students who have taken Course 27.

3 units, spring quarter (TREAT) MWF 9
Spring, 10

168. Japanese Foreign Relations Since 1894.—A critical examination of Japanese foreign relations beginning with the Chinese-Japanese War in 1894–95. Special attention will be given to her imperialism and to her position in world politics.

4 units, autumn quarter (ICHIHASHI) MTWF 8
Autumn, 19

169. History of Japanese Civilization.—A survey of, and an attempt to interpret, the history of Japanese civilization. Special attention will be given to the religions, philosophy, literature and arts, fine and industrial.

4 units, winter quarter (ICHIHASHI) MTWF 8
Winter, 52

170. History of Mexico and California.—A somewhat detailed study of the history of Mexico up to the present time, and of the history of California to 1848.

3 units, spring quarter (RIPPY) MWF 11
Spring, 35

175. The American Constitution and American Ideals.—A special course for those wishing to fulfill the requirement for the Teacher's Certificate. Open to others by permission.

3 units, autumn quarter (ADAMS) TTh 10
Autumn, 60

176. Historiography.—A course designed to familiarize the student with the writings and influence of the great historians from Herodotus to the present time. The work will consist of lectures, papers, and class discussions. Open to graduate students and to others at the discretion of the instructor.

3 units, spring quarter (MARTIN) [Not given in 1925–26]

[**Law 215. International Law.**—A course given by the Law Department, strongly advised for History majors interested in world politics and relations. It will be accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts. Open, at the discretion of the instructor, to majors of other than the Law Department in their third or fourth year.]

[**Law 225. Constitutional Law I.**—Accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts.]

[**Law 226. Constitutional Law II.**—Accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts.]

III. INTRODUCTORY SEMINAR COURSES

[The courses in this group are intended primarily for History majors in their junior year as preparation for senior seminars, or graduate work. If a course is not filled by History majors, others may be admitted at the discretion of the instructor.]

177. Historical Method.—A course preparatory to historical research and to the teaching of history. It will discuss what history is, what it is for, what are its materials, what are its methods, what are its relations to neighbor studies, how to read history, how to study it, and how to write it.

It will also provide for introductory studies of some of the sciences that are auxiliary to history.
3 units, autumn quarter (HULME) TTh 10
Autumn, 15

178. Nineteenth Century European Problems.—Papers and class discussions on important domestic and foreign problems of European nations.
3 units, summer quarter (GOLDER) MWF 10
Summer, 7

180. Selected Topics in English History.—An introduction to materials for the study of English History, with assignments of special topics.
3 units, winter quarter (BRAND) M 2–4
Winter, 8

184. The Great War.—A general survey of the period of the war and the armistice, with assignment of special topics for study from materials in the Hoover War Library.
3 units, autumn and spring quarters (LUTZ) T 2–4
Autumn, 6; spring, 20

186. Relations between California and the Federal Government.—An examination of materials revealing the problems of California and their relation to national development.
3 units, spring quarter (ROBINSON) M 3–5
Spring, 13

186. Selected Topics in American History.—An introduction to materials for the study of American History, with especial reference to the period of Jeffersonian democracy.
3 units, summer quarter (MCCORMAC) MW 2–3
Summer, 14

190. Selected Topics in Far Eastern History.—Designed to introduce the student to materials in western languages useful in the study of the modern History of the Far East. Open to those who have had History 28.
3 units, spring quarter (TREAT) MWF 11
Spring, 12

196. History of Brazil.—A somewhat detailed study of the History of Brazil, with special emphasis on the period since 1822. The course will include a comparison of Brazilian political institutions with those of Spanish America and the United States. Open to those who have had History 37 and to others with permission of the instructor.
3 units (MARTIN) [Not given in 1925–26]

197. Government of Japan.—A critical study, with materials in western languages, of the present governmental system of Japan in order to understand the underlying factors in the struggle between bureaucracy and democracy. Papers, reports, and discussion in class.
3 units, autumn quarter (ICHIHASHI) Th 2–4
Autumn, 9

IV. SEMINAR COURSES

[For History majors primarily, of senior or graduate standing.]

200. The Teaching of History.—A course intended for those students who expect to teach history in intermediate or secondary schools. Its purpose is to make the student acquainted with the aims, the methods, the apparatus, and the literature of the work of teaching history. May not be offered as a seminar course to fulfill departmental requirements.
3 units, winter quarter (HULME) MWF 11
Winter, 48

205. Seminar in Medieval History.
3 units, autumn, winter, and spring quarters (HULME) Th 2–4
Autumn, 1; winter, 8; spring, 8

206. Study of Historical Manuscripts of the Fifteenth to Eighteenth Centuries.
3 units, summer quarter (PRIBRAM) T 3–5
Summer, 6

207. Seminar in Modern European History.
3 units, autumn, winter, and summer quarters (LUTZ, PRIBRAM) T 2–4
Autumn, 13; winter, 11; summer, 11

210. Seminar in the History of England and the British Empire.
3 units, autumn and winter quarters (BRAND) Th 2–4
Autumn, 4; winter, 2

213. Seminar in the History of the West.
3 units, autumn and winter quarters (ROBINSON) M 2–4
Autumn, 8; winter, 8

219. Seminar in American Diplomatic History.
3 units, winter and spring quarters (ADAMS) W 2–4
Winter, 11; spring, 10

225. Seminar in the History of the Far East.
3 units, autumn and winter quarters (TREAT) T 2–4
Autumn, 12; winter, 10

226. Seminar in Russian History.
3 units, spring quarter (GOLDER) F 2–4
Spring, 2

228. Seminar in Japanese History.
3 units, winter and spring quarters (ICHIHASHI) W 2–4
Winter, 12; spring, 6

231. Seminar in Latin-American History.
3 units, autumn quarter (COX) M 2–4
Autumn, 2

240. Graduate Work.—Students properly qualified under the University regulations to pursue genuine graduate studies will be given special attention and due credit allotted for the work accomplished. Such students will receive individual advice and guidance, whether in set courses or in special research.
Units, not to exceed a total of 15 Hours by arrangement
Autumn, 13 (5 groups); winter, 16 (5 groups); spring, 13 (4 groups); summer, 4 (4 groups)

HOOVER WAR LIBRARY

RALPH HASWELL LUTZ (Associate Professor of History, *Chairman*), EPHRAIM DOUGLASS ADAMS (Professor of History), GEORGE THOMAS CLARK (Director of University Libraries), JOSEPH STANCLIFFE DAVIS (Director of Food Research Institute), HAROLD HENRY FISHER (Curator American Relief Administration Archives, *Secretary*), FRANK ALFRED GOLDER (Professor of History), HERBERT HOOVER (Founder), GRAHAM HENRY STUART (Associate Professor of Political Science), RAY LYMAN WILBUR (President of the University), MURRAY SHIPMAN WILDMAN (Professor of Economics), Directors
NINA ALMOND, Librarian

The Hoover War Library is a collection of materials for research in the causes, conduct, and results of the Great War, covering also the period of reconstruction since the end of the war. These materials are of all kinds and from all the nations of the world whether belligerent or neutral, but special efforts have been made to secure those which will be useful in research along the lines of non-military history and on social, economic, and governmental problems. The Hoover War Library has a separate physical existence in the University Library, with its own research room and staff. Its accumulations now include some 150,000 pieces, the use of which is open to graduate research students of Stanford University and to teachers from other universities, or other qualified investigators approved by the Directors. At present no research fellowships have been established. All funds are yet being directed to further acquisitions and to administration. The Hoover War Library offers no University courses of instruction, but several departments offer courses using its materials.

LAW

Marion Rice Kirkwood, Joseph Walter Bingham, Arthur Martin Cathcart, George Edward Osborne, William Brownlee Owens, Chester Garfield Vernier, Clarke Butler Whittier, Professors

Ralph W. Aigler (University of Michigan), William Green Hale (University of Oregon), R. Justin Miller (University of Minnesota), James Wiggins Simonton (University of Missouri), Acting Professors (Summer Quarter)

Stanley Morrison, Harold Shepherd, Associate Professors

Oscar Kennedy Cushing, Henry Granville Hill, Leonard Saxton Lyon, Lecturers

THE LAW SCHOOL

The Law School was established, as a department of the University, in 1893. Its purpose is to provide a thorough legal education for students who are fitted by their maturity and their previous academic training, to pursue professional study under university methods of instruction. The curriculum covers three academic years and constitutes an adequate preparation for the practice of law in any English-speaking jurisdiction. Elective courses in Common Law Pleading, Code Pleading, Practice, Water Rights, and Mining Law are offered. In all courses some special attention is paid to problems of local law in the Western States.

A comprehensive group of courses in Public Law, of value not only to the law student but to the student who contemplates entering the diplomatic, consular, or other government service, is a feature of the curriculum.

By taking advantage of the four-quarter system, with its opportunities for summer instruction, the Law curriculum may be completed in two and one-fourth calendar years.

THE LIBRARY

The Law Library contains over 30,000 volumes, including complete sets of the English, Irish, Scotch, Australian, New Zealand, and Canadian reports.

the reports of all Federal courts, a practically complete set of the reports of the American states, the Australian states, and the Canadian provinces, the National Reporter system, the standard collections of cases, the standard English and American legal encyclopedias, the principal American, English, and Canadian digests and citators, sets of the leading American, British, Canadian, and Continental legal periodicals, together with a good collection of textbooks. There is also a somewhat complete collection of compiled laws, session laws, and other statutory material, both federal and state, as well as British, Canadian, and Australian.

The Class of 1911, upon graduation, adopted a plan for the purchase, from time to time, of works on Legal History. This collection is known as the "Class of 1911 Memorial Collection on Legal History." The Class of 1912 adopted a similar plan for the purchase of a memorial collection of celebrated trials.

Through the efforts of the Stanford Law Association a fund was established in 1923 in memory of Charles Andrews Huston, who was for many years Professor of Law and Dean of this School. The income from this fund is to be used for the purchase of books for the Law Library.

Through the generosity of Justice McFarland, Justice Melvin, Justice W. A. Sloane, Justice Frank H. Kerrigan, and Justice John E. Richards, the Library has received, since 1907, a complete set of the records of the California Supreme Court, and through the generosity of Justice Sloss, Justice Warren Olney, Jr., Justice C. A. Shurtleff, Justice Frank H. Kerrigan, and Justice John E. Richards, a complete set of the records of the District Courts of Appeal.

The University Libraries are also available for use by students of the Law School.

ADMISSION TO THE LAW SCHOOL

Admission to the professional curriculum in Law is granted only to students who have received the degree of Bachelor of Arts, or an equivalent degree, from this University or from some other institution of recognized collegiate standing; provided, however, that students who matriculated in Stanford University prior to November 1, 1924, may be admitted to the Law School upon fulfilling the requirements in force on May 1, 1924.

In the discretion of the faculty admission may be granted to a very limited number of students who cannot meet the foregoing requirements, but who are eligible for admission to the University, who are twenty-three years of age, and whose previous experience is such as to justify the presumption of their ability to do the work successfully. Such students are termed "unclassified" and are not eligible for a degree.

It is advised that the matter of admission be settled in advance. For this purpose those seeking admission in regular standing should furnish a complete and official transcript of their college work, showing courses pursued, grades received, and degrees conferred.

THE DEGREE OF BACHELOR OF ARTS

Students who matriculated in Stanford University before November 1, 1924, and who are registered in the Law School will be recommended by the Law Faculty for the degree of Bachelor of Arts in the pre-legal curriculum upon the completion of the number of units and grade points required by the

University for graduation with the Bachelor's degree; provided that these units shall have included: (*a*) The work of the Lower Division or its substantial equivalent in some other institution; (*b*) studies under the guidance of the Law Faculty covering ninety units. These studies must include the first-year professional law courses. All the other courses are elective, subject to the approval of the Faculty of Law. Additional professional law courses not to exceed twenty-six units may be chosen. As a general rule the elective studies should be mainly selected from the departments of Economics, English, History, Law, Philosophy, and Political Science. Special attention is directed to the course in Roman Law offered in the Department of Classical Literature.

Candidates may be presented for graduation in January, April, June, and October. The degree will not be conferred upon any person who has not spent at least one academic year in residence at this University and received during that time forty-five units of credit, of which at least thirty-nine must be in professional law courses.

THE DEGREE OF JURIS DOCTOR

Students who have received the degree of Bachelor of Arts, or its equivalent, from this University or from some other institution of recognized collegiate rank, and who have satisfactorily completed courses in law aggregating 115 units, and who have devoted nine full quarters of time to the study of law, and who have otherwise satisfied the requirements of the University and of the Law School, will be granted the degree of Juris Doctor (J.D.).

CHANGES

As it may occasionally become necessary to change the regulations and courses outlined herein, the right is reserved to make such changes without notice.

NON-PROFESSIONAL COURSES

[Credit in non-professional courses may be counted toward the degree of Bachelor of Arts, but not toward the degree of Juris Doctor.]

1. Introduction to the Study of Law.—Nature, sources, and sanction of law; outline of the historical development of English and American courts and procedure; the content, classification, and determination of rules of law, including a consideration of legal rights and duties, the doctrine of *stare decisis* and the development of some of the more elementary rules of law by combining and comparing decisions. Assigned readings and cases. Prerequisite: 55 units of academic credit.

3 units, spring quarter (SHEPHERD)
Spring, 159

100. Business Law I.—Contracts: their formation, operation, and discharge. This course may not be taken by law students but is open to all other students who have 110 units of credit. The class is limited to one hundred. Bays, *Cases on Commercial Law.*

3 units, autumn quarter (OWENS)
Autumn, 114

101. Business Law II.—Principal and Agent: nature of the relation; power of the agent to bind the principal in contract and tort. Sales of

goods: the transfer of title; warranties; remedies of buyer and seller on breach of contract or warranty. Prerequisite: Business Law I except upon petition.
3 units, winter quarter (OWENS)
Winter, 74

PROFESSIONAL COURSES

First Year

[Completion of all first-year courses is required for recommendation for the degree of Bachelor of Arts. Enrollment in first-year courses is restricted to students majoring in Law.]

102. Contracts I.—Mutual assent, including offer and acceptance; contracts under seal; statute of frauds; illegality; joint and several contracts. Williston, *Cases on Contracts* (2d ed.), and selected cases.
4 units, autumn quarter (WHITTIER)
Autumn, 112

103. Contracts II.—Consideration; beneficiaries; assignments. Williston, *Cases on Contracts* (2d ed.), and selected cases. Prerequisite: Contracts I.
3 units, winter quarter (WHITTIER)
Winter, 100

104. Contracts III.—Express conditions; defenses arising from breach of implied conditions, prevention, incapacitation, and repudiation; excuses for non-performance of conditions; anticipatory breach; impossibility; discharge of contracts. Williston, *Cases on Contracts* (2d ed.), and selected cases. Prerequisites: Contracts I and II.
4 units, spring quarter (Whittier)
Spring, 103

105. Torts I.—Principles of tort liability as developed in the action of trespass; negligence as a basis of liability; common law and statutory duties of care; legal cause; contributory negligence. Ames and Smith, *Cases on Torts* (summer); Ames and Smith, *Cases on Torts* (Pound's ed.), and selected cases (autumn).
4 units, autumn quarter (CATHCART)
4 units, summer quarter, first half (8 recitations weekly) (HALE)
Autumn, 96; summer, 22

106. Torts II.—Justification and excuse; absolute liability; deceit, defamation; malicious prosecution and abuse of process; interference with social and business relations, unfair competition, combinations, strikes, boycotts. Prerequisite: Torts I, except with the permission of the instructor. Ames and Smith, *Cases on Torts* (summer); Ames and Smith, *Cases on Torts* (Pound's ed.), and selected cases (winter).
4 units, winter quarter (CATHCART)
4 units, summer quarter, second half (8 recitations weekly) (HALE)
Winter, 83; summer, 20

107. Criminal Law.—Nature and sources of criminal law; crime as an act; attempts; criminal intent; circumstances affecting illegality of act; specific offenses; crimes against the person, larceny and allied offenses, crimes against the dwelling house, conspiracy. Mikell, *Cases on Criminal Law.*
6 units, autumn quarter (MORRISON)
6 units, spring quarter (VERNIER)
Autumn, 22; spring, 86

108. Personal Property.—Possession: nature, importance, and legal effect. Possessory interests arising from: tenancy, bailment, lawful seizure. Rights

of a finder. Possession without right. Certain methods of acquiring title to chattels; statutes of limitations; gifts *inter vivos;* accession; confusion, etc. Liens and pledges. Conversion. Warren, *Cases on Property* (abridged ed.).

4 units, autumn quarter (OSBORNE)
4 units, summer quarter (AIGLER)
Autumn, 88; summer, 31

109. Introduction to the Law of Real Property.—Tenure; estates in land with reference to: quantity, absolute and qualified character, the time of enjoyment, number and connection of owners, creation and transfer, uses, marital interests. Selected readings and cases.

3 units, winter quarter (KIRKWOOD)
Winter, 129

110. Agency I.—Nature of relation; appointment; liabilities of principal for agent's torts, contracts, crimes. Prerequisites: Contracts I and Torts I. Wambaugh, *Cases on Agency.*

3 units, winter quarter (SHEPHERD)
Winter, 110

111. Agency II.—Liability of agent; parties to writings; undisclosed principal; principal's duties to the agent, including workmen's compensation legislation; agent's duties; delegation; termination; ratification. Prerequisites: Contracts I and II, Torts I, and Agency I. Wambaugh, *Cases on Agency,* and selected cases.

4 units, spring quarter (SHEPHERD)
Spring, 98

SECOND- AND THIRD-YEAR COURSES

[Courses numbered 201 to 224, inclusive, while intended primarily for graduates, may be elected by students who have completed a substantial part of the first-year program, including Contracts I, II, III, and Torts I, II, and who desire to count more than forty units of law toward the degree of Bachelor of Arts. See specific courses for additional prerequisites. For general requirements for admission to Courses 225 to 249, and 250 and above, see statements at the beginning of those groups.]

201. Common Law Pleading.—This course is intended (*a*) to provide a sufficient training in pleading for practice in a common law jurisdiction, (*b*) to furnish an adequate foundation for the study of code pleading, (*c*) to assist the student in the intelligent study of cases. It includes a study of forms of action, necessary allegations, methods of pleading defenses, defects in pleadings with methods of objecting to them and their cure, dilatory objections, cross demands. Prerequisites: Two quarters of Contracts, Torts, Personal Property and Introduction to Real Property. Whittier and Morgan, *Cases on Common Law Pleading.*

4 units, summer quarter (MILLER)
Summer, 13

202. Equity I.—The development and nature of equity jurisdiction; specific performance of contracts. Ames, *Cases on Equity Jurisdiction.*

4 units, autumn quarter (KIRKWOOD)
Autumn, 48

203. Persons and Domestic Relations.—Infants; period of infancy; infants' contracts and conveyances, torts, and crimes. Husband and wife; rights of husband as to wife's property; rights of each as to earnings, services, and society of the other; husband's interest in damages for tort to wife; husband's liability for torts or contracts of wife; husband's duty to support wife and wife's authority to bind husband by her contracts; married women's contracts, conveyances, and devises; estoppel of married

women; liability of married women for torts and responsibility for crimes; contracts, conveyances, and suits between husband and wife; husband's right to custody of wife. Marriage: promise to marry and breach; marriage as a contract or relation; annulment; divorce; separation. Woodruff, *Cases on Domestic Relations* (3d ed.).
4 units, summer quarter, first half (8 recitations weekly) (VERNIER)
Summer, 25

204. Sales.—Subject matter of the contract; transfer of property and title; destruction of the goods and risk of loss; obligations of seller and buyer; rights of unpaid seller against the goods, remedies of the seller on the contract; remedies of the buyer on the contract; Statute of Frauds. Woodward, *Cases on Sales* (2d ed.).
6 units, autumn quarter (VERNIER)
Autumn, 54

205. Landlord and Tenant.—Creation of relationship; duration of tenant's interest, remedies of landlord for non-performance of tenant's obligations, remedies of tenant against landlord, covenants running with the land as between landlord and tenant, rights and duties of landlord and tenant with respect to third persons. Prerequisite: Law 109, Introduction to Real Property. Selected cases.
3 units, summer quarter (SIMONTON)
Summer, 19

206. Water Rights.—An intensive study of water rights in the Western States. Extent of riparian rights and liberties; the law of prior appropriation; relative priorities of riparian and non-riparian rights and liberties of use; extinguishment of riparian rights; rights in diffused and underground waters; rights in interstate streams; federal and state powers of control. Prerequisites: Law 109, Introduction to Real Property; Law 202, Equity. Bingham's *Cases on Water Rights.*
4 units, autumn quarter (BINGHAM)
4 units, summer quarter (MILLER)
Autumn, 21; summer, 15

207. Mining Law.—A course on mining titles under the federal mining acts, with especial reference to mining rights in the Western States and Alaska. Prerequisites: Law 109, Introduction to Real Property; Law 202, Equity. Costigan, *Cases on Mining Law.*
4 units, summer quarter, first half (8 recitations weekly) (BINGHAM)
Summer, 5

208. Bailments and Carriers.—While bailments in general and special classes of bailments involving ordinary liability are considered, the greater part of the course is concerned with the rights, obligations, and liabilities of common carriers both of goods and passengers at common law and under important state and federal statutes. The character of the carriers' undertaking, rights of holders of bills of lading, connecting carriers, tickets, exceptional liability and limitation of liability are among the topics considered. Attention is given to problems peculiar to carriers arising under the Interstate Commerce Act and its amendments. Green's *Cases on Carriers,* and selected mimeographed cases.
4 units, autumn quarter (SHEPHERD)
Autumn, 28

209. Public Utilities.—The nature, rights, and duties of public service callings and businesses under the common law: railroads and canals; telephone and telegraph; gas, water, irrigation, and other public utilities. The

legislative and administrative regulation of public utilities under the police power, especially rate regulation. The Interstate Commerce Act: scope of commerce regulated by the Act; duties of carriers under the Act. Burdick, *Cases on Public Service,* and selected cases.

4 units, spring quarter (CATHCART)
Spring, 38

210. Trade Regulation.—Contracts and combinations in restraint of trade. Contracts accompanying the sale of a business or of property; exclusive contracts of sale and purchase; contracts of buyers to keep up prices on resale. Disparagement of goods and unfair competition. Combinations and competitive methods of labor units, of trade or manufacturing units, and of public service units. Modern statutes regulating trade, especially the Sherman Anti-Trust Act, the Federal Trade Commission Act, and the Clayton Act. No law credit if taken before Contracts and Torts. Oliphant, *Cases on Trade Regulation.*

4 units (CATHCART) [To be given in 1926–27 and in alternate years thereafter]

211. Damages.—Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; value; interest; and damages in certain actions of tort and contract. Case book to be announced.

4 units, summer quarter, second half (8 recitations weekly) (SHEPHERD)
Summer, 17

212. Quasi Contracts.—Origin and nature of quasi contracts. Benefits conferred in misreliance on right or duty; general principles; misreliance resulting from mistake of law; misreliance on invalid contract, on contract unenforceable because of Statute of Frauds, on illegal contract, on contract impossible of performance, on contract unenforceable because of breach, on supposed requirement of valid contract, on non-contract obligation, on ownership of property. Benefits conferred through dutiful intervention in another's affairs. Benefits conferred under constraint; constraint of duress, of legal proceedings, of tax or assessment: action for restitution as alternative remedy for breach of contract and for tort. Thurston, *Cases on Quasi Contracts.*

4 units, autumn quarter (OSBORNE)
Autumn, 28

213. Insurance.—Marine, fire, and life insurance. Insurable interests in various kinds of policies; concealments; misrepresentations; warranties and other matters affecting the validity of the contract; amount of recovery; subrogation; waiver, estoppel, election; powers of agents; assignees and beneficiaries. Vance, *Cases on Insurance.*

4 units (OSBORNE) [Not given in 1925–26]

214. Wills.—Devolution of property of a decedent by intestate succession. The nature of wills and testaments. Probate and its effect. Testamentary capacity. Testamentary intent. Effect of fraud, undue influence, or mistake on the validity of a will. Formalities essential to execution of a valid will. Incorporation by reference. Nullification of wills by (1) revocation; (2) ademption or lapse of legacies or devises; (3) by other circumstances. Republication of wills. Prerequisites: Law 109, Introduction to Property; Law 202, Equity. Gray's *Cases on Property,* Vol. IV (2d ed.), and selected cases.

4 units, winter quarter (BINGHAM)
Winter, 31

215. Admiralty.—Those principles and rules peculiar to admiralty and maritime law, with particular reference to the United States, involving the application of rules of law to transactions upon the sea and navigable waters and including: (1) the extent and nature of the jurisdiction of federal and state courts in applying such rules; (2) the nature of the substantive maritime law of the United States; (3) the maritime lien or right *in rem,* its nature and when it exists; (4) the substantive law of salvage, general average, and with regard to the rights of seamen; (5) the right under federal statutes of a shipowner to limit his liability to the value of his ship, or by contract to avoid liability for the loss or injury of goods carried by sea; and (6) the admiralty rule for the division of damages in cases of mutual fault. Selected cases.

4 units, spring quarter (MORRISON)
Spring, 10

216. Public International Law.—Nature of International Law; its relation to Municipal Law. International relations in time of peace; recognition and classification of states; jurisdiction on land and on the high seas; acquisition and transfer of jurisdiction; non-belligerent settlement of international controversies. International relations as modified by war; effect of war as between enemies; relations between belligerents and neutrals. Open to students in other departments on petition.

4 units (BINGHAM) [Not given in 1925–26]

[Courses numbered 225 to 249 are intended primarily for graduate students.]

225. Constitutional Law I.—Making and changing constitutions; function of judiciary in enforcing constitutions; separation and delegation of powers; political rights; personal liberty; interstate privileges and immunities of citizens; operation of fourteenth amendment; due process and equal protection of law; procedure; police power; taxation; eminent domain. No law credit if taken before Law 102–4 (Contracts) and Law 105–6 (Torts). Hall, *Cases on Constitutional Law,* and selected cases.

3 units, winter quarter (CATHCART)
Winter, 63

226. Constitutional Law II.—General scope of federal powers; foreign relations, Indians, aliens; territories, dependencies, new states; federal taxation; regulation of commerce: inter-governmental relations; protection to persons accused of crime; retroactive laws in civil cases; state laws impairing obligation of contracts; jurisdiction of federal courts. Course 225 not a prerequisite. No law credit if taken before Law 102–4 (Contracts) and Law 105–6 (Torts). Hall, *Cases on Constitutional Law,* and selected cases.

3 units, spring quarter (CATHCART)
Spring, 42

227. Administrative Law and Public Officers.—Administrative regulations; jurisdiction, discretion, adjudication; enforcement of orders; habeas corpus; mandamus; certiorari; equitable jurisdiction in public law. Freund, *Cases on Administrative Law.*

4 units, autumn quarter (SHEPHERD)
Autumn, 7

228. Bankruptcy.—Jurisdiction of the United States and the several states; who may be a bankrupt; who may be petitioning creditors; acts of bankruptcy; what property passes to the trustee; provable claims; duties and

powers of the bankrupt and his trustee; protection, exemptions, and discharge. Williston, *Cases on Bankruptcy.*
4 units, spring quarter (OSBORNE)
4 units, summer quarter (AIGLER)
Spring, 18; summer, 4

229. Equity II.—Specific reparation and prevention of torts. Chafee, *Cases on Equitable Relief against Torts.*
3 units, winter quarter (KIRKWOOD)
Winter, 5

230. Title to Land.—I. Original titles founded on possession, prescription, and accretion. II. Modern conveyancing: execution of deeds, description of the property conveyed, creation of easements by implication, covenants for title, estoppel by deed, fraudulent conveyances, recording. Aigler, *Cases on Titles to Real Property.*
5 units, spring quarter (KIRKWOOD)
Spring, 52

231. Rights in the Land of Another.—Natural rights, profits, easements, covenants running with the land, public rights, franchises, rents. Bigelow, *Cases on Rights in Land.*
3 units, autumn quarter (KIRKWOOD)
Autumn, 21

232a. Future Interests I.—Classification of future interests: rights of entry for condition broken; escheat and possibilities of reverter; reversions, vested remainders, and executory interests; contingent remainders; limitations to classes; freehold interests subject to a term; rule in Shelley's Case; future interests in personal property. Construction of limitations. Kales, *Cases on Future Interests.*
3 units, winter quarter (OSBORNE)
Winter, 10

232b. Future Interests II.—Powers; the rule against perpetuities; illegal conditions and restraints on alienation. Prerequisite: Future Interests I. Kales, *Cases on Future Interests.*
3 units, spring quarter (OSBORNE)
Spring, 10

233. Trusts.—The Anglo-American system of uses and trusts. Nature of a trust; other sorts of interests and relations distinguished; the creation, transfer, and extinguishment of trust interests, express, resulting, and constructive; validity of trusts; effect of statutes; charitable trusts; priorities and relative validity of competing equities; importance of the legal title to one claiming adversely to a trust or other equitable interest; remedies of creditors against the trust property; duties of the trustee. Prerequisite: Law 202, Equity. Scott, *Cases on Trusts.*
4 units, spring quarter (BINGHAM)
Spring, 27

234. Partnership.—Nature of a partnership, its purposes, and members; creation of partnerships; nature of partner's interest; firm name and goodwill; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract and tort; general liability of partners; dissolution and notice; consequences of dissolution; dissolution agreements respecting debts; distribution of assets to creditors, and between partners; limited partnerships. Gilmore, *Cases on Partnership.*
4 units (OWENS) [Not given in 1925–26]

235. Mortgages.—All forms of mortgage security, both real and chattel; essential elements of legal and equitable mortgages; legal and equitable rights, powers and remedies of mortgagor and mortgagee with respect to title, possession, rents and profits, waste, collateral agreements, foreclosure, redemption; priorities; marshaling; extension of mortgages; assignment of mortgages; discharge of mortgages. Case book to be announced.
4 units, winter quarter (OSBORNE)
Winter, 47

236. Bills and Notes.—Negotiability; form and inception, form of bill and of note, acceptance, delivery, consideration, negotiation, transfer holder in due course; liability of parties, maker and acceptor, drawer and indorser, transferor; discharge; effect of the Negotiable Instruments Law. Case book to be announced.
6 units, winter quarter (VERNIER)
5 units, summer quarter (SIMONTON)
Winter, 45; summer, 20

237. Suretyship. — Personal suretyship compared with real suretyship (mortgages, pledges, liens, etc.); suretyship obligations compared with insurance and indemnity obligations; guaranty and other forms of suretyship in relation to the Statute of Frauds; suretyship in transactions involving negotiable instruments; fidelity contracts and judicial bonds; surety's defenses due to original defects in his obligation or to its subsequent discharge; surety's right to subrogation, indemnity, contribution, or exoneration; creditor's right to surety's securities. Ames, *Cases on Suretyship.*
4 units, winter quarter (VERNIER)
Winter, 5

238. Municipal Corporations.—Nature; creation, alteration, and dissolution; internal organization; powers; liabilities on contract and for torts; remedies. Beale, *Cases on Municipal Corporations,* and selected California cases.
4 units, winter quarter (MORRISON)
Winter, 10

239. Evidence A.—This course deals with certain procedural and substantive law topics commonly considered in connection with evidence though not strictly a part of that subject. They are: judicial notice; functions of court and jury; presumptions; burden of proof; the parol evidence rule including construction of instruments. Thayer, *Cases on Evidence.*
3 units, winter quarter (SHEPHERD)
Winter, 24

240. Taxation.—This course deals with the legal aspects of taxation, including jurisdiction to tax; personal, property, income taxes; assessment; collection; remedies of taxpayer, etc.
4 units, spring quarter (MORRISON)
Spring, 6

[Courses numbered 250 and above are intended primarily for law graduates in their last year of study.]

250. Private International Law I (Conflict of Laws).—A study of the influence which considerations of the jurisdiction of a state and considerations of foreign law have upon the decisions of courts in cases involving events or things or persons under foreign jurisdiction. The study includes particularly questions of the jurisdiction of states and of courts, of the effects of foreign judgments and decrees, of legal domicile, of divorce, and

of actions for foreign wrongs. Beale, *Cases on Conflict of Laws* (larger edition).
4 units, autumn quarter (BINGHAM)
Autumn, 27

251. Private International Law II (Conflict of Laws).—A continuation of Law 250. The following topics are treated: property interests, decedent's estates, torts, legal capacity, marriage, marital interests, and contracts. Beale, *Cases on Conflict of Laws* (larger edition).
3 units, winter quarter (BINGHAM)
Winter, 11

252. Private Corporations.—The nature of a corporation; promotion of corporations; corporate powers; corporate liability for torts and crimes; unauthorized corporate action, including doctrines of *de facto* corporations, and *ultra vires* acts; officers, stockholders, and creditors of corporations; reorganization of corporations. Warren, *Cases on Corporations* (2d ed.).
6 units, spring quarter (OWENS)
Spring, 30

253. Code Pleading.—The civil action; splitting and joining actions; the complaint, including the caption, the statement of facts, and the prayer for relief; the answer, including general and specific denials, affirmative defenses and counterclaims; the demurrer; the reply; motions; bills of particulars; amendment and aider; construction of pleadings. Selected cases.
4 units, autumn quarter (CATHCART)
Autumn, 52

254. Evidence I.—Introductory topics. Witnesses: competency; privilege; examination; impeachment; rehabilitation. Certain rules of exclusion; conjectural evidence; character evidence; hearsay. Thayer, *Cases on Evidence.*
3 units, autumn quarter (WHITTIER)
Autumn, 45

255. Evidence II.—The exceptions to the hearsay rule; opinion evidence; real evidence; proof of execution of writings; the "best evidence" rule. Prerequisite: Evidence I. Thayer, *Cases on Evidence.*
3 units, winter quarter (WHITTIER)
Winter, 37

Practice.—In this course consideration is given to the procedural problems confronting the lawyer in the commencement and prosecution of a civil action, omitting the subject of pleading which is taught in other courses. The problems are studied as nearly as possible in the order in which they arise in practice. In the third quarter a court is organized and students are given practice in the institution and conduct of a civil action, including preparation and service of notices, etc.; writs, pleadings, the making of motions; argument on law and motion matters, setting case for trial, and trial of an actual case before a jury chosen from members of the first- and second-year classes; appeal, preparation of record and briefs on appeal, and argument on appeal. Also probate and administration proceedings in an estate are conducted.

256. Practice I.—Necessity for a cause of action; statutes of limitation; parties to actions; venue; jurisdiction. Selected cases.
4 units, autumn quarter (OWENS)
Autumn, 46

257. Practice II.—Process; appearance; provisional remedies; motions; trial; verdict; judgment. Prerequisite: Practice I. Selected cases.
4 units, winter quarter (OWENS)
Winter, 44

258. Practice III.—Proceedings subsequent to trial: execution; costs; new trial; appeal. Probate and administration proceedings. Prerequisites: Practice I and II. Selected cases, and "Forms and Suggestions for California Practice."
4 units, spring quarter (OWENS)
Spring, 32

259. Problems of Judicial Administration.—The difficulties of judicial organization and procedure with the remedies adopted or proposed. Special topics such as: sources of procedural law, statutes and rules of court; selection and tenure of judges; court organizations; special courts; arbitration and conciliation; the bar; legal aid; costs; simplification of pleadings; rules of evidence; the jury; appeals; uniformity. Primarily for graduate students, but open to well-prepared undergraduates in their fourth year upon obtaining permission from the instructor. Should be preceded when possible by the courses in practice, pleading, and evidence. May not be counted toward a degree in law unless the student previously has obtained credit in Contracts I, II, III, and Torts I, II.
4 units, spring quarter (WHITTIER)
Spring, 18

LIBRARY

GEORGE THOMAS CLARK, Director of the University Libraries
CHARLES V. PARK, Assistant Librarian
HELEN BINNINGER SUTLIFF, Chief Cataloguer
ALICE NEWMAN HAYS, Reference Librarian
ELIZABETH HADDEN, Chief of Order Division
MINNA STILLMAN, Document Librarian
LOUISE OPHÜLS, Medical Librarian
NINA ALMOND, Hoover War Librarian
FRANCES E. SHELDON, Law Librarian
SOLON SHEDD, Curator, Branner Geological Library

The Library is open during term time on week days from 8:00 A.M. to 10:00 P.M., except on Saturdays, when it is closed at 5:00 P.M. The Sunday hours are from 2:00 P.M. to 6:00 P.M. During vacations the hours are from 8:30 A.M. to 4:30 P.M., Saturdays to 12:30 P.M. The shelves are open to members of the faculty and, on recommendation of their instructors, to students engaged in advanced work. Books, other than works of reference, not required for class use or otherwise restricted, are available under prescribed rules for circulation to those entitled to the privileges of the Library. A handbook giving information relative to the Library and how to use it has been published and may be obtained upon request.

The Library is available for use by all registered students without the payment of additional fees. Visitors regularly attending lecture courses or other University exercises, but not registered, are entitled to the privileges of the Library upon payment of a fee of $1.25 per quarter.

Including the departments of Law and Medicine, the Library contains upward of 390,000 volumes, and its maintenance and growth are insured by the income of the Jane Lathrop Stanford Jewel Fund, certain other special funds, and by fees.

The Library Building is well adapted to meet the needs of advanced and graduate students. It contains nine rooms in which seminar classes may be held and one large room which serves as a reading-room for students in seminar classes; and tables on each floor of the stack make it possible for any graduate student to work in easy reach of the material in his field.

On the first floor—in the Hoover War Library and in the Document Room—are two collections of especial interest to research workers in the fields of history and economics.

The Document division brings together the Library's collection of city, state, and federal documents. It is especially strong in the publications of the United States, Great Britain, Canada, and Australia, and those of other countries are being added as fast as circumstances permit. The collection now numbers 40,000 volumes besides much unbound material.

The Hoover War Library contains some 100,000 printed and manuscript items on all aspects of the Great War, 1914–18, and for all nations whether warring or neutral. It is rich in government documents, in delegation propaganda at the peace conferences, in files of the publications of social and political societies, and in newspapers. A special reading-room facilitates the use of the collection.

The Hopkins Railway Library.—A collection of approximately 10,000 volumes and pamphlets dealing with the subject of transportation. In 1892 Mr. Timothy Hopkins, of San Francisco, presented to the University his private library on railroads—about 2,000 books—personally providing for its maintenance and growth for many years. The collection is general in scope, intended to embrace all subjects touching on the building, maintenance, and operation of railways, and is especially rich in state and government reports, as well as in reports of individual railroads both in the United States and Europe, with much material pertaining to their history.

Important divisions of the University Library, although separately housed, are:

The Law Library.—A library of about 30,000 volumes, selected with care and adequate for the study of English and American law. It contains practically complete sets of the reports of the courts of England, Scotland, Ireland, Canada, the United States, and the several states, together with a valuable collection of statutes, treatises, and periodicals.

The Lane Medical Library.—Founded by the directors of Cooper Medical College in accordance with the bequest of Mrs. L. C. Lane, and located opposite the other medical buildings, on the corner of Sacramento and Webster Streets, San Francisco. The library contains about 60,000 volumes and is particularly rich in its collection of medical and allied periodicals. The leading domestic and foreign journals are currently received.

Two important special collections are the Barkan library of ophthalmology and otolaryngology, endowed by Dr. A. Barkan, professor emeritus of ophthalmology, and the new library on the history of medicine, supported by Stanford University and Dr. A. Barkan conjointly. To date this library contains about 5,000 volumes.

The Jordan Library of Zoölogy.—A collection consisting largely of works on ichthyology, to a considerable extent made up of numbers of author's separates, which have been accumulated by Chancellor Jordan and members of the Department of Zoölogy, bound in convenient form,

indexed, and catalogued. The more voluminous publications such as the works of Cuvier, Lacépède, Bloch, Bleeker, Günther, and others are well represented. These, supplemented by the proceedings of various societies and institutions, make a collection of books of great value to advanced students and investigators. The library is conveniently arranged in the Natural History Museum, near the laboratories and collections.

The Biology Library.—Housed in Jordan Hall, the biology library is a combination of the former department libraries of Botany, Physiology, Zoölogy, and Entomology, with some works on General Biology, and now comprises about 5,000 volumes, together with current files of 125 periodicals. Its aim is to further the efforts of students and research workers, and, when complete, it should cover the literature of all phases of biological science represented in the student courses and research fields of the University.

The Branner Geological Library.—The geological library (Room 333) is the result of twenty-five years of painstaking acquisition by Dr. John Casper Branner. It includes a vast wealth of material relating to geology, paleontology, mineralogy, geography, mining, and metallurgy, and is especially well equipped with files of journals and the transactions of scientific societies, together with a large collection of state and government reports.

MATHEMATICS

Rufus Lot Green, Robert Edgar Allardice, Hans Frederik Blichfeldt, William Albert Manning, Sidney Dean Townley, Professors

Harold Hotelling, Junior Associate, Food Research Institute

Kenneth Keith Kelley, Milton Laurence Wiedmann, Instructors

Nelson Perry Case, Charles Henry Harrington, Vern James, Harold Louis Rorden, Assistants in Instruction

Beatrice Alethea Fenner, Francis C. Hall, Assistants in Instruction (Summer Quarter)

The courses offered in Mathematics fall into three groups: (I) Courses intended primarily to meet the needs of students in Engineering; (II) Courses arranged for students whose major work is in Mathematics, and students who, while taking their major in some other department, desire to include some mathematics in their course; (III) Courses in Astronomy and Geodesy.

Courses in Group I.—These consist of (*a*) elementary courses regularly required of all Engineering students, and (*b*) more advanced courses planned primarily for students of Engineering whose time schedule and whose inclination and needs permit or require further mathematical study. The courses grouped under Astronomy and Geodesy include courses of especial interest to Engineering students, as well as others of a more general interest.

In the elementary courses the aim is to make the instruction practical in the sense of furnishing thorough drill on fundamental principles and much practice in their application. Emphasis is laid upon accuracy and system in

the solution of numerical problems. Students whose training in arithmetical work has been deficient, or who are otherwise inadequately prepared, or who lack aptitude for mathematical study, cannot pursue these courses successfully.

Students intending to major in any engineering department should have entrance credit in the preparatory subjects of algebra (two units), plane and solid geometry, and plane trigonometry. This preparation is regularly required for admission to any of the courses in Group I.

The mathematics regularly required of students in Engineering consists of Courses 1, 2, and 3. Each of these courses runs two quarters, 5 unit-hours per quarter, and they will regularly be taken in the order 1*a*, 1*b*, 2*a*, 2*b*, 3*a*, 3*b*. It is possible, however, to take 2*b* and 3*a* simultaneously, but this can be permitted only in the case of students having thoroughly satisfactory records in the preceding courses. Students whose preparatory records show excellence, not only in mathematics, but in general training, may, with the approval of the instructor, enter Course 1*b* without having taken 1*a*.

Courses in Group II.—Students intending to graduate with Mathematics as a major should have entrance credit in trigonometry and solid geometry, or should take Courses A and B in these subjects. (Courses A and B may be taken simultaneously with Courses 10 and 11.) Prospective Mathematics majors are recommended to begin the study of French or German in their freshman year. The major work for graduation in Mathematics consists of Courses 10, 11, 140, 150, and others to be selected from courses in this group numbered above 140, the total number of units approximating 50. For a part of this total number of units required courses in other groups may be substituted.

Electives.—Students from other departments may take any courses in Mathematics for which their previous training gives suitable preparation. For science majors and others who may desire an understanding of fundamental principles of co-ordinate geometry and calculus and ability to apply them, Course 20 is offered. Attention is also called to Courses 40 and 41 in the mathematics of investment and life insurance, and to Courses 50 and 51 in descriptive and observational astronomy. Other elementary courses are 1*a*, 10, and 11.

Library.—The library facilities are good. The University subscribes for all important mathematical journals and proceedings of learned societies in English, French, German, and Italian, and the library contains complete sets of these and of learned societies of other countries. The more important treatises in mathematical subjects and the collected papers of eminent mathematicians are also in the library.

Fellowships and Assistantships.—Besides University Fellowships open to all graduates, there are two teaching fellowships in mathematics paying $750 a year and involving a maximum of one hour of teaching daily for three quarters. There are also several teaching assistantships paying $200 a quarter for a maximum of one hour of teaching daily. These positions are filled by graduate students on the basis of ability and training in Mathematics, and in addition upon experience and ability in teaching.

The Teacher's Recommendation.—For a teaching minor in Mathematics the following courses are required: 10, 11, and 200*a* or 200*b* or 200*c*; for a teaching major, Course 140 in addition to these courses.

ELEMENTARY COURSES

[Courses A and B are arranged for those students who have not taken these subjects in the high school.]

A. Trigonometry.—Elementary courses with applications involving logarithmic calculation.

4 units, autumn and *winter quarters (JAMES)
Autumn, 45; winter, 18 (autumn) MTWTh 9, 11; (winter) MTWTh 9

B. Solid Geometry.—Elementary course.

3 units, winter quarter (JAMES) MWF 11
Winter, 7

I. COURSES PRIMARILY FOR ENGINEERING STUDENTS

1. Elementary Analysis.—This course presupposes a familiarity with the elements of algebra and trigonometry, and is designed to strengthen the command of the student over these subjects and to give him a working knowledge of the method of co-ordinate geometry. Readiness in the application of the fundamental principles of algebra, trigonometry, and geometry to the solution of numerical problems is of fundamental importance to the engineer, and this side of the work is emphasized throughout the course.

1a. First half of Course 1.

5 units, autumn and *winter quarters (MANNING, HALL, RORDEN, WIEDMANN, HARRINGTON) (autumn) MTWThF 9 and 11; (winter) MTWThF 9
Autumn, 102 (3 sections); winter, 38

1b. Second half of Course 1.

5 units, winter, *spring, and *autumn quarters (HARRINGTON, KELLEY, WIEDMANN, RORDEN) (winter) MTWThF 9 and 11; (spring) MTWThF 9 and 11; (autumn) MTWThF 9 and 11
Autumn, 51 (2 sections); winter, 81 (3 sections); spring, 46 (2 sections)

2. Calculus.—An elementary course in Differential and Integral Calculus, in which emphasis is laid on fundamental principles and simple applications.

2a. First half of Course 2.

5 units, spring, *summer, *autumn, and *winter quarters (MANNING, KELLEY, WIEDMANN, FENNER) (spring) MTWThF 9 and 11; (summer) MTWThF 9; (autumn) MTWThF 9 and 11; (winter) MTWThF 9 and 11
Autumn, 33; winter, 47 (2 sections); spring, 58 (2 sections); summer, 9

2b. Second half of Course 2.

5 units, autumn, *winter, *spring, and *summer quarters (MANNING, KELLEY, JAMES) (autumn) MTWThF 9 and 11; (winter) MTWThF 11; (spring) MTWThF 11; (summer) MTWThF 10
Autumn, 61 (2 sections); winter, 33; spring, 40; summer, 7

125. Applications of Mathematics to Chemistry.—Applications of calculus to problems of chemistry, intended for those students who have taken or who are taking Physical Chemistry. Prerequisite: grade B in Mathematics *2a* or *2b*.

3 units, autumn quarter (KELLEY) MWF 10
Autumn, 9

145. Reading Course.—Reading courses in various branches of applied mathematics may, upon consultation with the instructor, be arranged for students who have special problems or interests. Prerequisite: grade B in Mathematics *2a* or *2b*.

1 or 2 units, autumn, winter, spring, and summer quarters (KELLEY) By arrangement
Autumn, 2; winter, 4; spring, 6; summer, 1

Additional courses in Engineering Mathematics are listed under the Department of Engineering, pp. 212–213.

II. COURSES PRIMARILY FOR MATHEMATICS MAJORS

10. Algebra. — Fundamental laws degree, symmetry, indeterminate coefficients, remainder theorem, factors, introduction to theory of equations. Presupposes entrance credit in elementary algebra.
5 units, autumn quarter (GREEN) MTWThF 9
Autumn, 17

11. Co-ordinate Geometry.—An elementary course in the analytic geometry of the conic sections. Presupposes Course 10.
5 units, winter and spring quarters (GREEN) MTWThF 9
5 units, summer quarter (HALL)
Winter, 11; spring, 10; summer, 11

20. General Course.—An elementary survey of trigonometry, co-ordinate geometry, calculus, and statistics, sufficient to cover the ordinary needs of science majors, as well as of other students who cannot afford the time required for the separate courses, but who desire an understanding of the fundamental principles involved and an ability to put these principles to practical use. Presupposes elementary algebra and plane geometry.
5 units, autumn, winter, and spring quarters (BLICHFELDT) MTWThF 9
Autumn, 33; winter, 22; spring, 11

120. Mathematical Theory of Investments.—An introductory course, presupposing a college course in algebra or two years of algebra in the high school; also, ability to use logarithms.
5 units, autumn quarter (GREEN) MTWThF 8
Autumn, 20

121. Life Insurance.—An introduction to actuarial theory. Presupposes Course 120.
5 units, winter quarter (GREEN) MTWThF 8
Winter, 13

140. Differential and Integral Calculus.—An elementary course.
5 units, autumn and winter quarters (ALLARDICE) MTWThF 9
Autumn, 11; winter, 7

141. Advanced Calculus.—A continuation of Course 140.
5 units, spring quarter (ALLARDICE) MTWThF 9
Spring, 10

143. Vector Analysis.—A course in Gibb's system, using Wedderburn's *Vector Analysis,* two volumes, as text.
3 units, winter quarter (MANNING) MWF 8
Winter, 16

144. Advanced Vector Analysis.—Continuation of Course 143.
5 units, winter and spring quarters (MANNING) MTWThF 8
Winter, 1; spring, 6

150. Differential Equations.
5 units, autumn, winter, and summer quarters (BLICHFELDT, KELLEY) MTWThF 10
Autumn, 14; winter, 8; summer, 6

151. Advanced Differential Equations.
5 units, autumn quarter (MANNING, KELLEY) By arrangement
Autumn, 2

151a. Theory of Groups.—This is an introductory course in groups of permutations and linear substitutions. It is open to students who have had the calculus.
4 units, summer quarter (MANNING) MTThF 11
Summer, 15

155. Projective Geometry.
5 units, autumn quarter (ALLARDICE) MTWThF 11
Autumn, 1

162. Foundations of Mathematics.—Non-Euclidean geometry, foundations of geometry; axioms of algebra, imaginary numbers, hypercomplex numbers, irrational numbers; approximations to rational numbers.
4 units, spring quarter (BLICHFELDT) MTWTh 10
Spring, 4

175. Theory of Probability and of Statistical Inference.—Includes a discussion of both the logical and mathematical ideas of probability, with a consideration of the criticisms of Keynes. Considerable material relating to statistical methods and theories is covered which is found in memoirs but in no textbook. A knowledge of calculus is presupposed.
3 units, autumn and winter quarters (HOTELLING) MWF 10
Autumn, 4; winter, 3

200a. Plane Geometry.
5 units, winter quarter (ALLARDICE) MTWThF 9
Winter, 10

200b. Teacher's Course in Algebra.
4 units, spring quarter (GREEN) MTWThF 8
Spring, 8

205. Theory of Functions.
5 units, spring and summer quarters (ALLARDICE, HOTELLING) MTWThF 11
Spring, 12; summer, 5

210. Reading Courses.—When in the opinion of the department a student is prepared to undertake advanced reading or research not connected with a formal course, such reading or research will be directed by a member of the department.
(ALLARDICE, BLICHFELDT, GREEN, HOTELLING, KELLEY, MANNING)
Autumn, 3; winter, 2

240. Calculus of Variations.—In this course Bliss's Calculus of Variations will be followed. A course in differential equations is the prerequisite.
4 units, summer quarter (MANNING) MTThF 9
Summer, 3

250. Advanced Differential Equations.
5 units, winter and spring quarters (BLICHFELDT) [Not given in 1925–26]

III. ASTRONOMY AND GEODESY

Courses 50 and 51 are designed especially to meet the needs of students who have time for only a general knowledge of Astronomy. Course 161 is intended for students of Engineering and Geology who desire a working knowledge of practical astronomy. The other courses are intended for students who wish to prepare themselves for astronomical or geodetic work.

50. Descriptive Astronomy.—This course consists of a general survey of the various branches of Astronomy, including a study of the celestial sphere, the bodies of the solar system, comets, the fixed stars, and other heavenly bodies.
5 units, winter and *summer quarters (TOWNLEY, CASE)
Winter, 79; summer, 13

51. Observational Astronomy.—Study of constellations and various astronomical bodies: Elementary methods of determining latitude and longitude. One afternoon or evening per week. Supplementary to Course 50.
1 unit, any quarter (CASE, TOWNLEY)
Autumn, 1; winter, 16; spring, 5; summer, 7

161. Practical Astronomy.—The theory and practice of the determination of latitude, azimuth, time, and longitude, with sextant and engineer's transit.

Intended especially to meet the requirements of students of civil engineering, geology, and navigation. Course 1, differential calculus, and surveying are prerequisites.
3 or 4 units, spring quarter (TOWNLEY)
Spring, 3

162. Advanced Practical Astronomy.—A continuation of Course 150. Precise methods of determining time, latitude, etc., by means of the universal instrument.
Any quarter (TOWNLEY) Hours and units by arrangement
Spring, 2

163. Adjustment of Observations.—Theory of the method of least squares, with applications. Credit in Course 2 or its equivalent is a prerequisite.
3 units, autumn quarter (TOWNLEY) [Not given in 1925–26]

164. Geodesy.—Study of the form and dimensions of the earth and the practical methods of geodetic work. Courses 150 and 152 are prerequisites.
3 units, autumn quarter (TOWNLEY) [Not given in 1925–26]

165. Variable Stars.—Consideration of the different classes of variable stars, methods of observation and construction of light curves. Course 50 is a prerequisite.
3 units, spring quarter (TOWNLEY) [Not given in 1925–26]

166. Celestial Mechanics.—A study of the motions of the bodies of the solar system under Newton's universal law of gravitation. Courses 1, 2, 50, and 150 in Mathematics and Course 3 in Engineering Mathematics are prerequisites.
3 units, autumn quarter (TOWNLEY) [Not given in 1925–26]

167. History of Astronomy.—A survey of the progress of Astronomy from the time of the Greeks to the present. Course 50 is a prerequisite.
3 units, autumn quarter (CASE)
Autumn, 11

MEDICINE

WILLIAM OPHÜLS, Dean
§ALBION WALTER HEWLETT, Secretary of the Medical Faculty

ADMISSION TO THE MEDICAL SCHOOL

The first-year class in the School of Medicine is limited to fifty students, selected from those applicants who fulfill the following requirements:

(1) Graduation from high school (or its equivalent), comprising fifteen recommended units, as defined by the University for admission to the freshman class. (*Special students* are not admitted to registration in Medicine.)

(2) Three full years of college work, totaling 135 quarter units (or an equivalent number of semester units), of a grade equivalent to that of Stanford University (counting as many grade points as there are units). The required work in these three years is that laid down by the Association of American Medical Colleges in Physics, Chemistry, Biology, and English, together with a reading knowledge of either French or German, and additional work in Chemistry as indicated below.

§ Deceased November 10, 1925.

(3) In addition to the A. A. M. C. minimum in Chemistry, the University requires Qualitative and Quantitative Analysis.

(4) In Biological Science the University requires 15 quarter units, made up of courses in General Zoölogy (or General Biology), Comparative Anatomy of the Vertebrates, and General Vertebrate Embryology, substantially equivalent to the courses in those subjects given at Stanford University as indicated below.

No conditions are permitted.—Candidates for admission who in June, 1926, will have completed the above requirements, except for a few units in collegiate subjects, should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1926.

In practice the above requirements as applied to the pre-medical courses of Stanford University students work out about as follows:

Chemistry

Course 7 (General Inorganic Chemistry), 2 units.
Course 9 (General Inorganic Chemistry), 2 units.
Course 4 (General Inorganic Laboratory), 3 units.
Course 20 (Qualitative Analysis), 5 units.
Courses 111 and 112 (Quantitative Analysis), 5 units.
Course 127 (Organic Chemistry), 5 units.

Students without entrance credit in Chemistry take Courses 1, 2, and 3 instead of 7 and 9. Total, 18 (or 23) quarter units; 6 (or 15⅓) semester units.

Physics

Course 1 (Mechanics and Heat), 5 units.
Course 2 (Electricity and Light), 4 units.
Course 3 (Lenses), 1 unit.
Course 20 (Modern Physics), 3 units.
Total, 13 quarter units (8⅔ semester units).

Biology

Course 1 Zoölogy (General Zoölogy), 5 units (or General Biology 1, 2, and 3, 9 units).
Course 106, Zoölogy (Comparative Anatomy of the Vertebrates), 5 units.
Course 104, Zoölogy (Vertebrate Embryology), 5 units, or Course 112, Anatomy (Mammalian Embryology), 5 units.
Total, 15 quarter units (10 semester units).

English

Nine quarter units (6 semester units).

French or German Reading Knowledge

This requirement varies somewhat with the ability of the student, but implies at least the equivalent of a year's work of 15 (quarter) units based upon high school courses.

APPLICATION FOR ADMISSION

Applicants for admission to the Medical School, or for advanced standing in Medicine should communicate with the Registrar, Stanford University, California; those desiring information concerning the upper classes of the Medical School (*i.e.*, from the fifth to the twelfth quarters) should communicate with the Dean, Stanford University Medical School), 2398 Sacramento Street, San Francisco, California.

THE CURRICULUM IN MEDICINE

The required period of study for the degree of Doctor of Medicine is twelve quarters plus the interne year. The work of the first four quarters is given at Stanford University and is devoted to anatomy, bacteriology, chemistry, histology, neurology, and physiology. The next eight quarters are devoted to work in the pharmacological, pathological, and clinical laboratories, and in the hospital wards and the out-patient department in San Francisco. The last year is spent in hospital work.

In order to correlate the work of some of the departments and to facilitate research in others, all courses in Medicine, except those in anatomy, bacteriology, chemistry, and physiology, are given in San Francisco. By reducing the number of required hours to approximately the number decided upon by the Association of American Medical Colleges, the student's opportunity for taking optional and elective courses has been increased and time obtained for thesis work.

FEES

The tuition fee for all students (graduate and undergraduate) in the School of Medicine is $85 per quarter; the guild fee is $2 per quarter. Medical students desiring membership in the Stanford Union, Women's Clubhouse, or Associated Students, or the use of the gymnasia and athletic grounds, will pay the usual fees designated for these purposes. A deposit to cover breakage or loss of apparatus and materials may be required in any department, such deposits being returnable, less charge for breakage, loss, or wear and tear of apparatus. Students taking the fifth and sixth quarters in Medicine at San Francisco will be required to pay a deposit of $3 at the Business Office of Lane Hospital to cover breakage, or loss of apparatus of the Department of Pharmacology. The total deposits for this purpose may vary from $10 to $20 per quarter.

Drafts and checks should be drawn for the exact amount to the order of Stanford University Medical School, as no change can be returned to students on checks or drafts.

ANATOMY

Arthur William Meyer, Charles Haskell Danforth, Frank Mace McFarland, Professors
Clara S. Stoltenberg, Associate Professor
Earl Theron Engle, Instructor
Sophie deAberle, Herlwyn R. Green, Assistants in Instruction
Frank Barrett, Suzanne Milthaler, Technical Assistants

[For outline of courses see under Anatomy, p. 142.]

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

Wilfred Hamilton Manwaring, Professor
Edwin William Schultz, Associate Professor
John Edward Blair, Instructor

[For outline of courses see under Bacteriology and Experimental Pathology, p. 144.]

CHEMISTRY

Robert Eckles Swain, Professor
Meyer Bodansky, Acting Assistant Professor

[For outline of courses in Biochemistry see under Chemistry, p. 171.]

MEDICINE

§Albion Walter Hewlett (Executive), Thomas Addis, Ernest Charles Dickson, Harold Kniest Faber, Professors
Harry Everett Alderson, William Fitch Cheney, William R. P. Clark, Harold Phillips Hill, Walter Frank Schaller, Clinical Professors
George de Forest Barnett, William Edward Chamberlain, Henry George Mehrtens, Associate Professors
Walter Whitney Boardman, Thomas George Inman, Philip Hale Pierson, Alfred Cummings Reed, Julian Wolfsohn, †Henry Herbert Yerington, Associate Clinical Professors
Robert Reid Newell, Harry Alphonso Wyckoff, Assistant Professors
†Millicent Mary Cosgrave, James Arthur Cutting, Mary H. Layman, Arthur Aloysius O'Neill, Jay Marion Read, †Harry Spiro, Assistant Clinical Professors
Lloyd B. Dickey, Robert Francis Kile, Instructors
Joseph H. Catton, †Aime N. Fregeau, Norbert J. Gottbrath, †Maude Noble Haven, Willard E. Kay, Thomas Henshaw Kelly, William Kenney, John J. Kingston, Frederick Walter Kroll, John Kent Lewis, Peter Harrison Luttrell, Merlin T. R. Maynard, Mary Jones Mentzer, Alfred A. Robinson, Lorenz J. Schermerhorn, Hermann Schussler, Jr., Roland P. Seitz, Edward F. Stadtherr, Ernest K. Stratton, Clinical Instructors
Robert Burns, Jr., Isabella Clinton, Donald G. Davy, Fred Firestone, Charles Dudley Gwinn, Fannie Hadden, James H. Hall, †Grace M. Hunt, J. Walter Jones, Lois M. Kendall, Kay Kitajawa, Donald Lum, Helen Marshall, Laird M. Morris, James C. Parrott, Julius Sherman, Arthur Sonnenberg, James McG. Sullivan, Louise Everett Taber, †Stuart C. Way, Edward K. Woods, Assistants
Adelaide Brown, Lecturer on Child Hygiene
Guy Stevens Farrington, Lecturer on Speech Defects
Arthur John Ritter, Lecturer on Mental Deficiency
John Lockhart Campbell, Clinic Dentist

§ Deceased November 10, 1925.
†Absent on leave, 1925–26.

DIVISIONS

Pediatrics	Radiology
Neuropsychiatry	Tropical Medicine
Physiotherapy	Tuberculosis

Cutaneous Medicine and Syphilis

Instruction in the Department of Medicine commences in the fifth quarter of medical registration, at which time the courses in Physical Diagnosis and Clinical Pathology are started. These courses are prerequisite for most other courses in this department.

Before beginning the interne year, students are required: (1) to have completed the prescribed courses, and (2) to have passed a final examination in Internal Medicine, Neurology, Diseases of Children, and Cutaneous Medicine.

Deviations from this following plan of work will be permitted only after obtaining permission of the instructors involved and of the Executive Head of the Department of Medicine.

COURSES FOR SECOND-YEAR STUDENTS

201. Physical Diagnosis.—An introductory course in physical diagnosis is offered during the winter quarter, based mainly upon a study of normal subjects. A continuation of this course based mainly upon the study of those presenting physical abnormalities is offered during the spring quarter.

4 hours, winter quarter; 4 hours, spring quarter (88 hours in all)
(Barnett) (San Francisco Hospital) ThS 9–11, winter quarter;
Winter, 47; spring, 47 Th 10–12, S 8:30–10:30, spring quarter

202. Clinical Pathology.—Lectures and laboratory work. The usual methods of examining the urine, blood, sputum, gastric contents, feces, and spinal fluid are carried out by the student and the significance of abnormalities noted.

3 hours (66 hours), winter and spring quarters, in San Francisco
(Wyckoff) (R 312b) TF 9:30–11, winter quarter;
Winter, 47; spring, 47 TF 10:30–12, spring quarter

206. Diseases of the Kidneys, the Blood, and of Metabolism.—Clinics and recitations.

3 hours (33 hours), spring quarter (Addis, Haven, Shepardson)
Spring, 47 (R 311) MTF 9:30–10:30

COURSES FOR THIRD-YEAR STUDENTS

203. Diseases of the Thoracic Organs.—Clinics and recitations. Given to sections of half the class.

3 hours (33 hours), autumn or winter quarter (Spiro, Fregeau, Mentzer, Morris, Pierson) (Lane Hall) MWF 10:30–11:30
Autumn, 18; winter, 17

204. Diseases of the Digestive Tract.—Clinics and recitations. Given to sections of half the class.

3 hours (33 hours), autumn or spring quarter (Boardman, Luttrell, Kroll)
Autumn, 17; spring, 17 (R 311) MWF 10:30–11:30

205. (a) Tuberculosis; (b) Minor Complaints.—Given to sections of half the class.

2 hours (22 hours), winter or spring quarter (Pierson, Lewis)
winter (R 311), spring (Lane Hall) M and W or F 10:30–11:30
Winter, 17; spring, 18

207. Experimental Medicine.—Discussion of selected topics dealing with the functional pathology of internal diseases.
2 hours, autumn quarter; 1 hour, spring quarter (33 hours in all)
(HEWLETT) (Lane Hall) MS 11:30–12:30, autumn quarter;
Autumn, 35; spring, 36 S 10:30–11:30, spring quarter

210. Physical Therapeutics.—Lectures and demonstrations of various methods other than the use of drugs that are employed in the treatment of diseases: including hydrotherapy, electrotherapy, mechanotherapy, etc. Given to sections of half the class.
2 hours (22 hours), winter quarter (LANGNECKER) (Physiotherapy Dept.)
Winter, 35 M 2:30–4:30 or F 1:30–3:30

211. Dietetics.—Lectures and recitations.
2 hours (22 hours), autumn quarter (ADDIS, SHEPARDSON)
Autumn, 35 (R 311) T 1:30–2:30, Th 2:30–3:30

212. Pediatrics.—Clinics, recitations, and lectures.
1 hour (22 hours), autumn and winter quarters (FABER)
Autumn, 35; winter, 35 (Lane Hall) T 11:30–12:30

213. Pediatrics.—Clinics, recitations, and lectures.
1 hour (22 hours), autumn and winter quarters (LAYMAN)
Autumn, 35; winter, 35 (Lane Hall) S 10:30–11:30

214. Lectures on Pediatrics.—Autumn quarter, Communicable Diseases; winter, Child Welfare.
1 hour (22 hours), autumn and winter quarters (O'NEILL, BROWN)
Autumn, 35; winter, 34 (Lane Hall) Th 1:30–2:30

215. Neurology.—Clinics, lectures, and recitations.
2 hours (44 hours), winter and spring quarters (INMAN)
Winter, 35; spring, 36 (Lane Hall) TTh 9:30–10:30

216. Dermatology.—Lectures and recitations.
1 hour (22 hours), winter and spring quarters (ALDERSON)
Winter, 35; spring, 36 (R 311) S 9:30–10:30

217. Radiology.—Lectures and section work.
2 hours (22 hours), winter quarter (CHAMBERLAIN, NEWELL)
(Lane Hall) Lec. Th 3–4; (X-ray Dept.) Sections MWF 4:30–5:30
Winter, 34

COURSES FOR FOURTH-YEAR STUDENTS

(For morning work the fourth-year class is divided into two sections, one of which works at the San Francisco Hospital, the other in the Lane Hospital and out-patient department.)

218. Set Clinic in Medicine.—Demonstration on patients from the ward and out-patient services of Lane Hospital.
1 hour (49 hours), third year, autumn, winter, and spring quarters.
Fourth year, one and one-half quarters (Lane Hall) W 11:30–12:30
Autumn, 49; winter, 35; spring, 49

219. Ward Work.—Lane Hospital. For section at Lane Hospital.
4 hours (64 hours) (HEWLETT, CHENEY, REED, DICKSON) MTWTh 8:30–9:30
Autumn, 12; spring, 12

220. Ward Work and Clinics.—San Francisco Hospital.

Ward clinics:
7 hours for 8 weeks (56 hours) (HILL, BARNETT, READ, KELLY, KENNEY)
MTWF 8:30–10, Th 11–12
Set clinic:
1½ hours for 16 weeks (24 hours) (HILL) F 10–11:30
Autumn, 13; spring, 14

221. Tuberculosis Clinic.—San Francisco Hospital. Ward clinics for sections.
1 hour (16 hours) (CLARK) MS 9:30–10:30
Autumn, 13; spring, 14

222. Neurology.—Ward work: Lane Hospital.
1 hour (16 hours) (SCHALLER) W 9:30–10:30
Autumn, 14; spring, 12

223. Neurology Clinic.—San Francisco Hospital. Clinics.
1½ hours (24 hours) (WOLFSOHN) W 10:30–12
Autumn, 13; spring, 14

224. Cutaneous Medicine.—Demonstration of patients, lectures, and quizzes.
1 hour (16 hours) (ALDERSON) (R 311) T 11–12
Autumn, 14; spring, 12

225. Out-Patient and Ward Work in Pediatrics and Cutaneous Medicine.—Practical course. Students taking this course will arrange at the same time for spending the necessary 12 hours in Obstetrics 208.
6 hours (84 hours) (Pediatrics: FABER, LAYMAN, SEITZ, DICKEY, and OTHERS); (Dermatology: ALDERSON and OTHERS)
Autumn, 14; spring, 13 M 9:30–10:30, Th 9:30–11:30, F 10–11, S 9:30–11:30

226. Communicable Diseases.—Ward clinics to sections at San Francisco Hospital.
2 hours (32 hours) (O'NEILL) MS 10–12
Autumn, 13; spring, 14

227. Radiology.—Section work. Given to sections of one-fourth the class.
1 hour (11 hours), spring quarter (CHAMBERLAIN, NEWELL)
Spring, 27 (X-ray Department) TWThF 4:30–5:30

228. Psychiatry.—A weekly lecture preceded by a clinic.
1½ hours (49 hours), autumn, winter, and spring quarters (MEHRTENS, CUTTING)
Autumn, 27; winter, 27; spring, 27 (Lane Hall) M 1:30–3

229. History of Medicine.—In association with other departments a weekly lecture or recitation will be held. The aim will be to have each department present that portion of the history of medicine in which it is most interested. The students will be assigned a certain amount of journal and other preparatory work.
1 hour (11 hours), winter quarter (OPHÜLS, STILLMAN, SPALDING)
Winter, 27 (Lane Library) T 3:30–4:30

230. Jurisprudence.—The instruction in this course will be divided among the various departments, each one covering the points most essential to it. (Recent lectures in this course were delivered by Professors CATHCART, WHITTIER, and VERNIER of the Stanford Law Department.)
1 hour (11 hours), autumn quarter (R 311) W 3:30–4:30
Autumn, 28

ELECTIVE COURSES

The following elective courses in Medicine will be offered:

1. Out-Patient Work in General Medicine.—One hour, three mornings a week; not more than two students on any morning.
(DOCK) Hours to be arranged
Autumn, 4; winter, 2; spring, 2

2. Practical Work in Basal Metabolism and Electro-cardiography.—One hour, three mornings a week; not more than one student on a morning.
(HEWLETT) Hours to be arranged
Autumn, 2; winter, 1

3. Special Work in Pediatrics for Fourth-Year Students.
(FABER) Hours to be arranged

4. Mental Rating in Neuropsychiatry.—One hour for third- or fourth-year students; limited to four students.
(MARSHALL) Afternoons, hours to be arranged

5. Out-Patient Work in Neurological Clinic.—Limited to two students.
(MEHRTENS) Hours to be arranged
Spring, 3

6. Treatment of Functional Neurosis.—One hour, sixteen hours for seniors.
(WOLFSOHN) Hours to be arranged

7. Radiology.—Special work in consultation with the division of Radiology. Either Therapy or Diagnosis may be followed.
(CHAMBERLAIN, NEWELL) Hours to be arranged
Spring, 9

8. Roentgenoscopy.—Experience in actual use of the fluoroscope. Limited to two students per section, five sections.
(CHAMBERLAIN, NEWELL) Hours to be arranged
Autumn, 8; winter, 12; spring, 6

9. Bright's Disease and Diabetes.—An elective course in summer on Diagnosis and Treatment of Bright's Disease and Diabetes. Clinics and laboratory work.
(ADDIS) Hours to be arranged
Autumn, 1

10. Dentistry for Medical Students.—Optional. The course will consist of five lectures covering the anatomy and pathology of the teeth, treatment of caries, dental surgery, prosthetic dentistry and orthodontia, and preventive dentistry. Hours to be arranged. No credit will be given for this course. For third- and fourth-year students.
Spring quarter (CAMPBELL and OTHERS)
Spring, 18

209. Diseases of the Endocrine Glands.—Clinics and recitations.
(KAY) Hours to be arranged

214. Lectures on Pediatrics—Mental Deficiency.
(RITTER) (spring quarter) Hours to be arranged

OBSTETRICS AND GYNECOLOGY

ALFRED BAKER SPALDING, Professor
§GEORGE BURBANK SOMERS, Clinical Professor
LUDWIG AUGUSTUS EMGE, WILLIAM E. STEVENS (Urology), Associate Clinical Professors
KARL LUDWIG SCHAUPP, HENRY AUGUSTUS STEPHENSON, Assistant Clinical Professors
C. FREDERIC FLUHMANN, Instructor
HANS VONGELDERN, ALBERT VICTOR PETTIT, Clinical Instructors
HARRY E. CLAY, PERCY GALLEGOS, LEWIS MICHELSON, MILLARD R. OTTINGER, Assistants

[Students before graduation must pass in at least 146 hours of Obstetrics and 78 hours of Gynecology. Women students must register for Optional Courses 214 and 215 as a substitute for Surgery 218. Subjects will be given and hours arranged for thesis work.]

REQUIRED COURSES FOR SECOND-YEAR STUDENTS

201. Obstetrics, Histology.—Lecture one hour a week, laboratory work one hour a week.
2 hours (22 hours), winter quarter (VONGELDERN) (R 506) W 8:30–10:30
Winter, 47

§ Deceased February 20, 1926.

202. Obstetrics.—Normal pregnancy, labor and puerperium.
2 hours (22 hours), spring quarter (STEPHENSON) (R 506) TF 8:30–9:30
Spring, 47

REQUIRED COURSES FOR THIRD-YEAR STUDENTS

203. Gynecology, Pathology.—Laboratory two hours a week.
2 hours (22 hours) (EMGE, VONGELDERN) (R 405) WTh 8:30–9:30
Winter, 7; spring, 47

204. Obstetrics.—Abnormal pregnancy and labor.
3 hours (33 hours), autumn quarter (SPALDING) (R 506) MThF 8:30–9:30
Autumn, 35

205. Obstetrics.—Abnormal puerperium and obstetrical operations.
2 hours (22 hours), winter quarter (SPALDING) (R 515) MF 8:30–9:30
Winter, 35

206. Ward Rounds or Women's Clinic.—One-third of class.
2 hours with 3 extra hours in Prenatal Clinic (25 hours), autumn, winter, and spring quarters (autumn and winter, STEPHENSON, RESIDENT and SENIOR INTERNE; spring, VONGELDERN, RESIDENT and SENIOR INTERNE)
Autumn, 11; winter, 13; spring, 11 MF 9:30–10:30; M 2:30–3:30

REQUIRED COURSES FOR FOURTH-YEAR STUDENTS

(For morning work the fourth-year class is divided into two sections, one of which attends the San Francisco Hospital, the other the Lane Hospital.)

207. Manikin Exercises.—One-half of class.
1 hour (11 hours), autumn and winter quarters (autumn, VONGELDERN; winter, PETTIT) (R 515) F 1:30–2:30
Autumn, 13; winter, 13

208. Women's Clinic.—Three students for periods of three weeks.
12 hours' clinic work, autumn, winter, and spring quarters (autumn, CLAY; winter, PETTIT; spring, SCHAUPP) M 9:30–10:30; Th 9:30–11:30; F 10–11
Autumn, 9; winter, 10; spring, 10

209. Gynecology.—Lecture one hour a week.
1 hour (33 hours), autumn, winter, and spring quarters (SPALDING)
Autumn, 27; winter, 28; spring, 27 W 1:30–2:30

210. Operating Room.—Lane Hospital. One-third of class.
1 hour (11 hours), autumn, winter, and spring quarters (SPALDING) F 1:30–2:30
Autumn, 9; winter, 9; spring, 9

211. Operating Room.—San Francisco Hospital. One-half of class. Students may elect either Course 210 or Course 211.
1 hour (11 hours), autumn, winter, and spring quarters (autumn and winter, SCHAUPP; spring, EMGE) S 8:30–9:30
Autumn, 13; spring, 14

212. Out-Patient Obstetrics.—Senior students must attend, with the junior obstetrical interne, patients confined in their own homes for a period of two weeks. As prerequisite to this course, they must have witnessed at least ten hospital confinements during their junior year. Assignments for service will be made by the Resident on Obstetrics and Gynecology.
2 weeks (11 hours), autumn, winter, or spring quarter
Autumn, 6; spring, 10

OPTIONAL COURSES

213. History Taking.—Women's clinic. Limited to 2 students.
2 hours (22 hours), autumn, winter, and spring quarters (autumn, winter, and spring, RESIDENT) MF 8:30–9:30
Autumn, 3; winter, 2; spring, 1

214. Ward Rounds, Obstetrics or Gynecology and Operating Room, San Francisco Hospital.—Women students may substitute this for Surgery 218.

2 hours for 8 weeks (16 hours), autumn and spring quarters (autumn, SCHAUPP; spring, EMGE) T 10–11; S 8:30–9:30
Autumn, 3

215. Women's Clinic: Cystoscopy.—Required of women students as part substitute for Surgery 218.

1 hour (11 hours), autumn and winter quarters (STEVENS) T 8:30–9:30
Autumn, 6; winter, 6

PATHOLOGY

WILLIAM OPHÜLS, JEAN REDMAN OLIVER, Professors
ERNEST M. HALL, Instructor
ESHREF SHEVKY, Research Assistant

[The following courses in Pathology are required of medical students: Pathology 201, two quarters; Pathology 203, three quarters; Pathology 204, one and one-half quarters.]

COURSES FOR SECOND-YEAR STUDENTS

201. General Pathology.—A course of lectures, demonstrations, and laboratory work which covers disturbances in circulation, regressive and progressive tissue changes, inflammation, granulomata and tumors. The study of human material will be supplemented by experiments. Two lectures of 1 hour and 2 laboratory periods of 2½ hours each per week in the winter quarter, and one lecture of 1 hour and 2 laboratory periods of 2½ hours each week in the spring quarter. Prerequisites: Histology, Bacteriology.

7 hours (77 hours), winter quarter
6 hours (66 hours), spring quarter (OPHÜLS, OLIVER, HALL)
(R 405) MF 8:30–9:30, 1:30–4 (winter quarter)
Winter, 47; spring, 47 M 8:30–9:30; MF 1:30–4 (spring quarter)

COURSES FOR THIRD-YEAR STUDENTS

203. Special Pathology.—A course of demonstrations of fresh and preserved gross and microscopical specimens, illustrating selected chapters on Human Pathology. Part of the time will be devoted to the technique of postmortem examinations. Diagnostic work will be done in the spring quarter. Prerequisite: General Pathology.

4 hours (132 hours), autumn, winter, and spring quarters (OPHÜLS, OLIVER)
(Morgue, Lane Hospital) W 2:30–4:30; (R 405) WS 8:30–9:30
(autumn and spring quarters); T 1:30; S 8:30–9:30 (winter quarter)
Autumn, 34; winter, 34; spring, 35

COURSES FOR FOURTH-YEAR STUDENTS

204. Clinico-Pathological Demonstrations.—One and one-half quarters required. During the summer quarter this will be supplemented by demonstrations of microscopical specimens at some convenient hour.

1 hour (16 hours) (OLIVER) (Morgue, Lane Hospital) M 11:30–12:30
Autumn, 14; spring, 12

205. Research Work in the Pathological Laboratory.—Students wishing to do special work in the Pathological Laboratory should have finished Course 201. They should consult with the Executive of the Department in regard to the selection of a proper subject for investigation. As the labora-

tory accommodations are limited, students must do a reasonable amount of work, otherwise the privilege will be withdrawn. A deposit of $10 will be required to cover such material as is used by the student in the course of his work. Such part of this as is not drawn against will be refunded on the completion of the work undertaken. Work may be undertaken during any of the four quarters. The same regulations apply to work on theses or for advanced degrees in the department, except that in the latter case the students also should have finished Course 203.

During the summer quarter a special effort will be made to accommodate properly prepared undergraduates or graduates who wish to do experimental work in Pathology.

(Ophüls, Oliver)
Autumn, 1; winter, 1; spring, 1

PHARMACOLOGY AND THERAPEUTICS

Paul J. Hanzlik, Professor
Floyd DeEds, Assistant Professor
Maurice L. Tainter, Instructor
Russel van Arsdale Lee, Dwight Emerson Shepardson, Clinical Instructors in Therapeutics
Clinton H. Thienes, Medical Fellow of the National Research Council
Elizabeth Presho, Assistant in Research

REQUIRED COURSES FOR SECOND-YEAR STUDENTS

201. Chemical Pharmacology.—This course includes tests for plant constituents and important drugs, the principles of pharmacy and prescription writing, general toxicology, the physical and chemical basis of pharmacology, excretion, antiseptics, methods of administering drugs, and reactions with tissues and unicellular organisms. The work consists of laboratory exercises, demonstrations, class conferences, and lectures.

Didactic, 16 hours; laboratory, 32 hours; total, 48 hours; given during the first 8 weeks of the winter quarter (DeEds, Tainter)
Winter, 8 Didactic MW 10:30–11:30; Lab. TTh 1:30–3:30

202. Experimental Pharmacodynamics.—The course consists of demonstrations and class experiments on amphibia and mammals illustrating the actions of drugs and methods of pharmacological experimentation. The results are discussed and systematized in class conferences, different methods of attaining the same or related objects being explained and practical applications indicated. The work of Courses 201 and 202 is prerequisite to the other courses of the department.

Conference, 24 hours; laboratory, 48 hours; total, 72 hours; given during the last 2 weeks of the winter and all of the spring quarter (Hanzlik, DeEds, Tainter) Lab. TTh 1:30–3:30; Conference, MW 10:30–11:30
Spring, 48

203. Systematic Pharmacology.—The course covers locally acting drugs.

Recitation, 10 hours; given during the spring quarter (DeEds) S 11:30–12:30
Spring, 48

REQUIRED COURSES FOR THIRD-YEAR STUDENTS

204. Systematic Pharmacology.—This course deals with predominant systemic actions. Instruction is given by lectures, demonstrations, and reci-

tations and treats of the experimental basis, toxicity and clinical actions, uses and dosage of the more important drugs.
60 hours, autumn and winter quarters (Hanzlik) MW 1:30–2:30; F 11:30–12:30
Autumn, 34; winter, 34

205. General Therapeutics.—This course consists of a systematic presentation of the uses of drugs and other agents from the standpoint of disease, and consists of lectures, recitations, and class drills in prescription writing.
33 hours, spring quarter (Shepardson) MW 1:30–2:30; F 11:30–12:30
Spring, 36

ELECTIVE COURSES

206. Research in Pharmacology and Therapeutics.—Open throughout the year to students for thesis and to graduates with proper qualifications and special interest in these subjects. Work may be done independently or under supervision in the department. For students not less than four hours per week.
Autumn, 4; winter, 4; spring, 4

207. Journal Club.—One hour weekly throughout the year for presentation and discussion of oral and written reports on literature pertaining to pharmacology, etc.

208. Clinical Therapeutic Conference.—One hour weekly throughout the year for fourth-year students. The work consists of conferences on therapeutic methods and results at the bedside; given in the wards of San Francisco Hospital. Limited to six students.
(Lee) Wednesdays
Autumn, 8

PHYSIOLOGY

Ernest Gale Martin, Professor
Frank Walter Weymouth, Associate Professor
James Percy Baumberger, George Daniel Shafer, James Rollin Slonaker, Assistant Professors

[See Courses 103, 104, 105, and 207 outlined on pp. 157–158.]

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Ernest Charles Dickson, Acting Executive
Morton Raymond Gibbons, Harry Reeves Oliver, Clarence Olds Sappington, Lecturers

201. The Principles of Public Health and Preventive Medicine.—This course of lectures consisting of 66 hours will include discussions of the various problems of Public Health and Preventive Medicine as they affect the medical practitioner. They will be given by members of the regular teaching staff and by others who are actively interested in the various aspects of the subject.
2 hours (66 hours) (Dickson and Others) (Room 311)
9th quarter, M 4:30–5:30, Th 2:30–3:30; 10th quarter, M 3–4, Th 3:30–4:30; 11th quarter, M 3–4, Th 3:30–4:30
Autumn, 27; winter, 75 (2 sections); spring, 83 (2 sections)

202. Tropical Medicine.—This course of lectures will make special reference to medical practice in the United States, emphasizing mass control and common methods of spread of tropical diseases.

2 hours (22 hours) (Reed, Wyckoff) (Room 311)
Autumn, 27; spring, 36 10th quarter, M 4:30–5:30, W 4:30–5:30

203. Parasitology.—This laboratory course of 22 hours will supplement Lecture Course 202.

2 hours (22 hours) (Clinical Pathology Laboratory) (Wyckoff, Reed)
Autumn, 27 10th quarter, F 3:30–5:30

204. Demonstrations and Conferences.—This course will include practical demonstrations and conferences dealing with such problems as the laboratory diagnosis of infectious diseases, vaccination, immunization, serum therapy, etc.

2 hours (22 hours) (Dickson, Faber, and Others) 11th quarter, F 2:30–4:30
Winter, 27

205. Sanitary Survey.—Each student will be required to make a sanitary survey of a municipality or an epidemiological investigation of an outbreak of infectious disease and present a report prior to the beginning of the 12th quarter. The subject of the survey should be selected by the student but must be approved by the acting executive of the Department.

Spring, 27

SURGERY

Stanley Stillman (Executive), Frank Ellsworth Blaisdell, Leonard Wheeler Ely, Emmet Rixford, Professors

John Francis Cowan, Leo Eloesser, Philip Kingsnorth Gilman, Albert Brown McKee, Edward Cecil Sewall, Clinical Professors

Emile Frederic Holman, Edward B. Towne, Associate Professors

John Adolph Bacher, James Root Dillon, Harrington Bidwell Graham, Harry Leslie Langnecker, Harvard Young McNaught, Caroline B. Palmer, Associate Clinical Professors

Hans Barkan, John Robert Burrows, Edmund Butler, Arthur L. Fisher, Sylvan L. Haas, Assistant Clinical Professors

Rea Ernest Ashley, Otto Barkan, Loren R. Chandler, Sigurd von Christierson, Harold Augustus Fletcher, Merton James Price, Lloyd Robinson Reynolds, Wilber Swett, Chester Howard Woolsey, Clinical Instructors

Bernard A. Cody, Hubert W. Dudley, Samuel A. Goldman, Hans Hartman, Gordon F. Helsley, †Robert S. Irvine, J. Minton Meherin, Merrill C. Mensor, Roy F. Nelson, Robert A. Ostroff, †Dohrmann K. Pischel, Lorruli Anna Rethwilm, Frank H. Rodin, August Henry Rosburg, Edward Salomon, Frank Sheehy, Assistants

Frank R. Girard, George W. Hartman, Henry A. L. Ryfkogel, Alfred Jacob Zobel, Lecturers

Ferd W. Callison, Hiram B. Duncan, Assistant Lecturers

DIVISIONS

Ophthalmology Genito-Urinary Diseases Orthopedic Surgery
Otology, Rhinology, and Laryngology

†Absent on leave, 1925–26.

GENERAL PLAN OF INSTRUCTION

Instruction in the Department of Surgery commences in the fifth quarter in the Medical School in San Francisco.

The course in Principles of Surgery (Surgery 201) is a prerequisite to all of the courses in this department.

On completion of Courses 201, 202, 203, and after satisfactory examination, students will be admitted to third-year standing.

Students will be admitted to fourth-year standing after having completed Courses 204, 205, 206, 207, 208, 209, 210, and having passed satisfactory examinations in the same.

Before entering the fifth medical year, students of fourth-year standing are required to complete the following prescribed courses: 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, and to have passed satisfactory examinations in the same.

COURSES FOR SECOND-YEAR STUDENTS

201. Principles of Surgery.—Recitations, demonstrations, and laboratory work, utilizing clinical and pathological material from the Out-Patient Clinics and Lane Hospital, and preparations from the museum and laboratory of Surgical Pathology.

3 hours (33 hours), winter quarter (TOWNE)
Winter, 47 (R 506 and Surgical Clinic) MWF 11:30–12:30

202. Fractures and Dislocations.—Recitations, study of X-ray plates, and demonstrations of fractures and dislocations. All the important fractures and dislocations are produced on the cadaver and subsequently demonstrated by dissection.

2 hours (22 hours), spring quarter (BLAISDELL)
Spring, 47 (Anatomical Amphitheater) W 8:30–10:30

203. Surgical Diseases of Extremities.

1 hour (11 hours), spring quarter (COWAN)
Spring, 48 (R 506 and Surgical Clinic) M 11:30–12:30

COURSES FOR THIRD-YEAR STUDENTS

204. Surgical Diseases of the Abdomen.

2 hours (32 hours), autumn and first half of winter quarter (STILLMAN or COWAN)
Autumn, 35 (Lane Hall) TTh 4–5

205. Surgical Diseases of Head, Neck, and Thorax.

2 hours (32 hours), second half of winter quarter and spring quarter (RIXFORD, TOWNE) (Lane Hall) TTh 4:30–5:30
Spring, 36

[NOTE.—For Courses 206 and 207, the third-year class will be divided into two sections, one of which will meet at the Men's Surgical Ward, and one in the Surgical Out-Patient Clinic alternately.]

206. Surgical Clinic.—Dispensary.

1 hour (33 hours), autumn, winter, and spring quarters (STILLMAN)
Autumn, 35; winter, 35; spring, 36 (Out-Patient Clinic) TTh 10:30–11:30

207. Surgical Wards.—Lane Hospital.

1 hour (33 hours), autumn, winter, and spring quarters (COWAN, HOLMAN)
Autumn, 35; winter, 35; spring, 36 TTh 10:30–11:30

[ANESTHETICS: In connection with the clinical work, students are assigned in rotation, so that each one shall administer 10 anesthetics under the supervision of DR. CAROLINE PALMER or DR. JOHN BURROWS, Anesthetists to Lane Hospital. DR. PALMER also gives a course of three lectures on the administration of anesthetics. (3 hours, autumn quarter, first three Thursdays, 11:30–12:30)]

208. Surgery (Optional).—Set clinic.
Autumn, 21; spring, 24

209. General Surgical Pathology and Tumors.—Surgical Laboratory.
1½ hours (48 hours), autumn, winter, and spring quarters (Blaisdell)
Autumn, 34; winter, 34; spring, 36 (R 506) T 2:30–4

210. Introductory Course in Orthopedic Surgery.
2 hours (22 hours), spring quarter (Ely, Langnecker)
Spring, 36 (Lane Hall) TTh 1:30–2:30

COURSES FOR FOURTH-YEAR STUDENTS

[For morning work, the fourth-year class is divided into two sections, one of which attends the San Francisco Hospital, while the other attends the Lane Hospital.]

211. Surgical Clinic.—Surgical Amphitheater.
1 hour (16 hours) (Cowan, Holman, Towne) S 8:30–9:30
Autumn, 14; spring, 12

212. Set Clinic.—Surgical Amphitheater.
1 hour (16 hours) (Stillman) Th 11:30–12:30
Autumn, 14; spring, 12

213. Out-Patient Clinics.—Dispensary.
1 hour (16 hours) (Gilman) MW 10:30–11:30
Autumn, 14; spring, 12

214. Wards of Lane Hospital.
1 hour (16 hours) (Cowan, Holman, Towne) MW 10:30–11:30
Autumn, 14; spring, 12

215. San Francisco Hospital.—Ward clinics.
4 hours for 8 weeks (32 hours) (Rixford, Eloesser) MTWF 8:30–9:30

Set Clinic:
2 hours for 16 weeks (32 hours) (Rixford, Eloesser) Th 9–11
Autumn, 13; spring, 14

216. Surgical Anatomy and Operative Surgery. — Amphitheater at Medical School.
2 hours (22 hours), autumn quarter (Blaisdell) Th 4:30–5:30; F 2:30–3:30
Autumn, 27

217. Orthopedic Surgery.—Dispensary and Surgical Amphitheater.
3 hours (48 hours) (Ely, Fisher) T 9:30–11; F 11–12:30
Autumn, 14; spring, 12

218. Genito-Urinary Surgery.—Surgical Amphitheater.
1½ hours (24 hours) (Dillon) F 8:30–10
2 hours for 8 weeks (16 hours) (Dillon and Reynolds) (San Francisco Hospital) T 10–12
Autumn, 24 (2 sections); spring, 27 (2 sections)

219. Ophthalmology.
1 hour (33 hours), autumn, winter, and spring quarters (Barkan)
(autumn and winter, Lane Hall) (spring, R 311) T 1:30–2:30
1 hour (33 hours), autumn, winter, and spring quarters (McKee)
Autumn, 27; winter, 27; spring, 27 (Dispensary) T or Th 2:30–3:30

220. Otology, Rhinology, and Laryngology.
1 hour (33 hours), autumn, winter, and spring quarters (Sewall)
(R 311) Th 1:30–2:30
1 hour (33 hours), autumn, winter, and spring quarters (McNaught, Bacher)
Autumn, 27; winter, 27; spring, 27 (Dispensary) T or W and Th 2:30–3:30

ELECTIVE COURSES

The following elective courses in Surgery will be offered:

208. Set Clinic.—Surgical Amphitheater.
1 hour (22 hours), winter and spring quarters (Stillman) Th 11:30–12:30
Winter, 8

218a. Genito-Urinary Surgery.—Lectures only.
1 hour (22 hours), autumn and winter quarters (DILLON) Hours to be arranged
Autumn, 16; winter, 22

220a. Work in Ear, Nose, and Throat Clinic.—Limited to four students.
Autumn, winter, spring, and summer quarters (MCNAUGHT, BACHER)
Hours to be arranged

221. Surgery.—Operative clinics. Operative clinics are held throughout the year in the Surgical Amphitheater.
Autumn, winter, and spring quarters (autumn, COWAN; winter, HOLMAN; spring, TOWNE) TThS 8:30
Autumn, 4; winter, 15; spring, 22

222. Out-Patient Surgical Clinic.—Work in these clinics may be arranged for by a limited number of students during any quarter.
Autumn, 13; winter, 4; spring, 4

223. Emergency Surgery.—Opportunity is offered to small groups of fourth-year medical students to take work in Emergency Hospitals during the spring quarter, two afternoons a week, from 4 to 6:30. Students wishing to take this work should apply to Dr. E. Butler, the Chief of the Emergency Service, at 135 Stockton Street, San Francisco. Students who expect to interne at the San Francisco Hospital are strongly advised to take this course as preparation for their work in the Emergency Hospitals.

Special courses may be arranged for limited numbers of graduates in Medicine in the laboratory of Surgical Pathology and in the various Out-Patient Clinics and Hospitals. Such students may register for advanced degrees or as special workers.

A special course in the administration of anesthetics is offered to a limited number of graduates in Medicine. The course covers six months. Fee, $50.
(PALMER)
Spring, 12

PRE-NURSING CURRICULUM

The Pre-Nursing Curriculum is designed primarily for those who wish to prepare themselves for administrative, teaching, social-service, or public-health work. The curriculum consists of three years' work at Stanford University and two years' (24 months') work at the Stanford School of Nursing, San Francisco, the degree of Bachelor of Arts and the Nursing Diploma being conferred at the close of the five years. The completion of 135 units of University work and acquirement of 135 grade points are necessary before the student may enter the School of Nursing.

CURRICULUM

FIRST YEAR

Autumn Quarter		*Winter Quarter*		*Spring Quarter*	
Subject	Units	Subject	Units	Subject	Units
Citizenship	4	Citizenship	4	Citizenship	4
*Chemistry 7	2	Chemistry 9	2	Chemistry 4	3
Language	3	Language	3	Language	3
Electives	6	Electives	6	Electives	5

Second Year

Language or Literature 3	English 2..... 3	English 2..... 3
History 3	History 3	History 3
Zoölogy 1..... 5	**Biology 3..... 3	Zoölogy 106
Electives 4	Electives 4	(Embryology) 5
		Electives 6

Third Year

Physiology 101..... 5	Physiology 102..... 5	Bacteriology 1..... 5
Psychology 51*a*..... 3	Psychology 51*b*..... 3	Anatomy (Special) 5
Electives 7	Electives 7	Electives 4

This schedule presupposes entrance credit of 2 units in a foreign language, 1 unit in Chemistry, and 1 unit in History.

* Students offering no entrance credit in Chemistry are required to take Courses 1, 2, 3, and 4 (12 units), instead of 4, 7, and 9 (7 units).

** Students having entrance credit in a biological science may omit Biology 3.

Some suggested electives are: Economics 2 (Elementary Sociology); Economics 22 (Labor Problems); Economics 103 (Care of Dependents); Economics 105 (Crime as a Social Problem); Economics 216 (Immigration); Education 175 (Education and Modern Social Problems); Zoölogy 116 (Animal Genetics); Hygiene 1 (Personal Hygiene); Political Science 2 (State and Local Government); Political Science 112 (Municipal Administration); Psychology 55 (Experimental Psychology); Public Speaking 4 (Vocal Expression); Public Speaking 5 (Reading Aloud); Law 1 (Introductory Course).

Graduates of schools of nursing affiliated with an institution of collegiate rank may be granted, on recommendation of the Pre-Nursing Committee, a maximum advanced credit of 45 units, provided they have also fulfilled the requirements of graduation and recommendation from an accredited high school.

Graduates of accredited schools of nursing not affiliated with an institution of collegiate rank should have, in addition to the high school requirements, one year of successful administrative or educational experience.

To qualify for the degree of Bachelor of Arts, students receiving advanced standing on the above-mentioned credentials, will be required to fulfill both the Lower Division requirements and those of the major department in which they ultimately register. (For details of requirements see *Registration Manual for the Lower Division* and the departmental announcements in this *Bulletin.*

Pre-Nursing students entering with advanced standing from other universities are required to take a minimum of 45 units of resident work at Stanford University. While this minimum of 45 units usually presupposes a residence of three University quarters, the completion of the collegiate part of the Pre-Nursing Course in this minimum of time is possible for only those students who have fulfilled the requirements of the first six quarters, including the Lower Division requirements.

Students intending to take this work should confer with Professor C. S. Stoltenberg, Stanford University, or with Professor Maude Landis, Superintendent of Nurses, Stanford Hospital, San Francisco.

MEMORIAL CHURCH

The Rev. David Charles Gardner, Chaplain
Warren D. Allen, Organist
Samuel A. Baldwin, Acting Organist (Summer Quarter)

Memorial Church stands in the center of the inner quadrangle group, facing the main entrance. It is of modified Moorish-Romanesque architecture, in the form of a cross with rounded ends. The extreme length is one hundred and ninety feet, the extreme width, one hundred and fifty feet. Exteriorly the finish is like that of the other quadrangle buildings except for the mosaics of the façade, the central feature being a striking representation of the Sermon on the Mount. Interiorly the walls are buff sandstone, with tooled face, relieved by elaborate carved designs and fifteenth-century mosaics of great beauty. The features of the apse are the marble altar, the stained-glass windows representing the Nativity, the Crucifixion, and the Ascension, and the mosaics covering the wall surface. Behind the altar is a replica of Cosimo Rosselli's Last Supper, from the Sistine Chapel at Rome. To the right and left, running to the arch of the apse, are long panels, a *gloria dei angeli* surmounted by reproductions in mosaic of Michelangelo's Prophets. The cove ceiling is also done in mosaics representing angels with trumpets. The nineteen stained-glass windows of nave, transept, and apse illustrate the Life of Christ. The windows of the clerestory contain single figures of Old and New Testament characters, and the mosaics depict mostly Old Testament scenes. The seating capacity of the church, including galleries, is about seventeen hundred.

Memorial Church is unsectarian and without formal organization, but linked to historic Christianity by its ministry and sacraments. The services are informal and varied, conserving the great principles of Christian worship.

SERVICES

Daily Chapel, with address, 7:50 A.M.
Sunday, Divine Worship and Sermon, 11 A.M. (Holy Communion as announced.)

ORGAN RECITALS

Sunday, 4 P.M.; Tuesday, 4:15 P.M.; Thursday, 4:15 P.M.

MILITARY SCIENCE AND TACTICS

WILLIAM D. GEARY, Major, Field Artillery, Professor
JOHN KELIHER, Major, Field Artillery, Assistant Professor
FRANK J. ATWOOD, Captain, Ordnance Department, Assistant Professor
MOSES W. PETTIGREW, Captain, Field Artillery, Assistant Professor
CHARLES S. WHITMORE, First Lieutenant, Field Artillery, Assistant Professor

A Field Artillery unit of the Reserve Officers' Training Corps is maintained for the purpose of fitting students to become Reserve Field Artillery Officers while they are taking their regular college courses. This enables them, in case of a national emergency, to best perform military duty in the service of their country with the rank for which their capabilities and training as college graduates fit them.

The course is planned to cover a period of four academic years. Any student electing the course is expected to do so with the idea that he will

complete the first two years' basic course and, if possible, that he will elect and complete the last two years' advanced course; and that, upon its satisfactory completion, he will accept from the President of the United States, a commission as second lieutenant of Field Artillery in the Officers' Reserve Corps. If the college course is completed in three years, the commission may be awarded at that time.

The basic course consists of the first two years, completion of which counts for the six quarters of military or physical training required by the University. The lecture courses are classed in Group II of the Lower Division requirements. The obligation to complete the basic course may be canceled for good and sufficient reasons approved by the head of the department and the President of the University. All students enrolled in the R.O.T.C. are furnished uniforms and equipment without cost to themselves.

The advanced course is open to selected students who satisfactorily complete the basic course. A specially designed tailored uniform is furnished those taking the advanced course. They are required to attend one summer instruction camp of six weeks' duration, normally at the end of the first year of the advanced course. While attending the summer instruction camp the government defrays all expenses, including food, clothing, and travel to and from camp. The camp is a period of interesting and instructive work with the physical and moral development of the students well provided for and, in addition, is valuable in its broadening effect on the student, who is associating with men from other leading American universities. Men taking the advanced course receive in addition to the above, commutation of subsistence at the rate of $9 per month for two years and pay while at the required camp. (Five units of credit will be given for satisfactory completion of the camp.)

The United States Government places at the disposal of the University for instruction purposes the necessary number of horses, horse equipment, personal equipment, one complete 75-millimeter battery, fire control and reconnaissance instruments, motor equipment, including caterpillar tractors, trucks, and motorcycles.

The Ordnance Unit was installed in the fall of 1925. The Ordnance course is open to engineering and chemistry majors. The first two years of the course is identical with the Field Artillery course.

FIELD ARTILLERY COURSE

First-Year Basic (Freshman)

2. Matériel. — (Two hours per week.) 75-millimeter gun (French): weights, dimensions, assembling of parts, of gun and carriage; parts of breechblock, dismounting and dismantling breechblock; dismounting gun from cradle; removal wheels and parts of carriage; sights, recoil mechanism. Ammunition and fuses: parts, action; tactical uses; instruments, nomenclature, operation, uses. Other battery vehicles, operation and use of; care and cleaning of vehicles.

2 units, winter quarter (Atwood) TTh 8 or 11
Winter, 64

11. Practical Work.—(Three hours per week.) Individual instruction in equitation to include saddling, bridling, adjustments; acquiring a firm seat at all gaits; use of the aids. Battery instruction in harnessing and driving

in pairs; slow work in draft. Duties of the drivers and cannoneers in practice marches.
1 unit, autumn quarter (KELIHER)
Autumn, 154

12. Practical Work.—(Three hours per week.) Individual instruction in the duties of the cannoneers in the service of the 75-millimeter gun. Battery instruction in the composition and use of battery and battalion reconnaissance details, training of scouts and agents. Reconnaissance selection and occupation of position. Subcaliber practice.
1 unit, winter quarter (PETTIGREW)
Winter, 162

13. Practical Work.—(Three hours per week.) Individual instruction in equitation, to include jumping and cross-country riding. Battery instruction in mounted drill including duties of both drivers and cannoneers. Tactical exercises combining and applying all the practical instruction given during the year.
1 unit, spring quarter (GEARY)
Spring, 164

SECOND-YEAR BASIC (SOPHOMORE)

4. Topography.—(Two hours per week.) Map making and map reading including the construction and use of scales, orientation, conventional signs, simple traverses and contouring, visibility problems; reading slopes, intersection and resection. Note: This course is optional with engineer majors.
2 units, autumn quarter (WHITMORE) TTh 8 or 11
Autumn, 54

21. Practical Work.—(Three hours per week.) Continuation of Course 11.
1 unit, autumn quarter (PETTIGREW)
Autumn, 80

5. Communications.—(Two hours per week.) Telephone wire: splicing connections, line testing. Telephones: nomenclature, operation. Communications net. Radio: operation, set up, field sets. Message center operation. Note: This course is optional with engineer majors.
2 units, winter quarter (WHITMORE) TTh 8 or 11
Winter, 44

22. Practical Work.—(Three hours per week.) Continuation of Course 12.
1 unit, winter quarter (WHITMORE)
Winter, 62

6. Artillery Minor Tactics.—(Two hours per week.) Artillery organization. Battery and battalion details and their use in the reconnaissance, selection, and occupation of positions. The Infantry-Artillery team. The artillery combat order. Use of relief map. Map problems.
2 units, spring quarter (KELIHER) TTh 8 or 11
Spring, 47

23. Practical Work.—(Three hours per week.) Continuation of Course 13.
1 unit, spring quarter (KELIHER)
Spring, 76

FIRST-YEAR ADVANCED (JUNIOR)

101. Field Artillery Firing.—(Three hours per week.) All elements of the basic principles of rapid preparation and conduct of fire. Elementary ballistics; the trajectory and its elements; the mission of field artillery; preparation of firing data by parallel and compass methods; dispersion and the law of errors and its practical application to artillery; the firing com-

mands; types of fire as delivered by artillery; methods of adjusting on all types of targets, observation axial. Blackboard firing.
3 units, autumn quarter (PETTIGREW) TThS 8 or MWF 10
Autumn, 43

131. Practical Work.—(Three hours per week.) Individual instruction in nomenclature and functioning of the pistol, including safety precautions and care of the pistol. Position and aiming drills. Instruction practice on target range. Record practice. Battery instruction in harnessing and driving. Duties of officers and non-commissioned officers with the battery at drill and on the march.
1 unit, autumn quarter (GEARY)
Autumn, 33

102. Field Artillery Firing.—(Three hours per week.) Lateral observation and the methods of deliberate preparation of fire. Lateral observation; use of the aiming circle, plane table, and compass in laying guns by deliberate and more accurate methods; the firing tables; the meteorological method; weather corrections; normal, emergency and rolling barrages; successive concentrations: aërial observation; flash, sound, and high burst ranging; visibility and dead space.
3 units, winter quarter (PETTIGREW) TThS 8 or MWF 10
Winter, 32

132. Practical Work.—(Three hours per week.) Individual instruction in advanced equitation, including the training of remounts, riding with bit and bridoon, jumping. Battery instruction in the duties of officers and non-commissioned officers of the special details in the reconnaissance, selection, and occupation of positions. Subcaliber practice.
1 unit, winter quarter (KELIHER)
Winter, 40

103. Motors and Motor Transportation.—(Two hours per week.) Principles of gas engines; design, construction, operation, nomenclature, and maintenance of artillery trucks and tractors.
2 units, spring quarter (ATWOOD) TTh 11
Spring, 25

133. Practical Work.—(Three hours per week.) Individual instruction in conduct of fire, including practical application on the smoke bomb range of the principles taught in Courses 101 and 102. Battery instruction as officers and non-commissioned officers at mounted drill and at tactical exercises.
1 unit, spring quarter (WHITMORE)
Spring, 40

SECOND-YEAR ADVANCED (SENIOR)

104. Organization and Tactics.—(Three hours per week.) Fundamentals of the organization and tactics of the army and its various arms and elements; field artillery organization, tactics, operations, employment, information, ammunition, supply, with special emphasis on Artillery-Infantry teamwork; functions of various calibers of field artillery and principles involving the type used; divisional, corps, and army artillery and functions of each; staff organizations, functions and duties; field orders, logistics; map problems.
3 units, autumn quarter (GEARY) MWF 10 or 11
Autumn, 15

141. Practical Work.—(Three hours per week.) Continuation of Course 131, acting as assistant instructors.
1 unit, autumn quarter (WHITMORE)
Autumn, 31

105. Military History and Policy of the United States.—(Three hours per week.) A critical study of our military policy, and a military survey of the most important campaigns and battles of the United States (including the Great War). Military operations and strategy. Prerequisite: Course 6.
3 units, spring quarter (GEARY) MWF 8 or 11
Spring, 45

142. Practical Work.—(Three hours per week.) Continuation of Course 132, acting as assistant instructors.
1 unit, winter quarter (GEARY)
Winter, 32

106. Military Law.—(Three hours per week.) History, authority, sources; military law as applied to the United States Army in peace and in war; procedure in courts-martial; rules of land warfare; treaties; armistices.
3 units, winter quarter (KELIHER) MWF 8 or 11
Winter, 23

143. Practical Work.—(Three hours per week.) Continuation of Course 133, acting as assistant instructors.
1 unit, spring quarter (PETTIGREW)
Spring, 35

100. Polo.—(Three hours per week.) Optional. Open to all students who have completed Course 11.
1 unit, autumn, winter, and spring quarters (KELIHER and WHITMORE)
Autumn, 39; winter, 38; spring, 32

SUMMER COURSES

Summer Camp. — For regularly enrolled students taking the Military Science course. Camp of six weeks' duration.
5 units, summer quarter (PETTIGREW)
Summer, 32

ORDNANCE R.O.T.C. CURRICULUM

FIRST-YEAR BASIC (FRESHMAN)

Autumn Quarter	*Winter Quarter*	*Spring Quarter*
Military Science 11	Military Science 12 Military Science 2	Military Science 13

SECOND-YEAR BASIC (SOPHOMORE)

Military Science 21	Military Science 22	Military Science 23

FIRST-YEAR ADVANCED (Junior)

Military Science 156	Military Science 152 Chemistry 207	Military Science 153

SECOND-YEAR ADVANCED (SENIOR)

Military Science 151 or Mining and Metallurgy 237	Military Science 167	Military Science 106*a*

ADVANCED ORDNANCE COURSES

FIRST-YEAR ADVANCED (JUNIOR)

156. Matériel.—(Three hours per week.) Instruction in the functioning, testing, and care of the rifle, pistol, machine gun, and automatic rifle.
1 unit, autumn quarter (ATWOOD)
Autumn, 9

152. Matériel.—(One hour per week.) A study of the designs and functioning of artillery matériel.
1 unit, winter quarter (Atwood)
Winter, 7

[**Ammunition and Explosives.**—(Two hours per week.) A discussion of the ballistic powders and high explosives used during the Great War, including the chemistry involved not only in their preparation, but also in the preparation of raw materials necessary for their manufacture. The course also covers the preparation and use of primers and primer mixtures. In addition to the outline above, the new explosives which have not yet been used, but which promise to become of great importance in the future, will be discussed. (See Chemistry 207.)]

153. Ordnance Administration.—(Two hours per week.) A course designed to familiarize the student with the administration of the Ordnance Department; procurement of materials; property accounting and military organization.
2 units, spring quarter (Atwood)
Spring, 14

Second-Year Advanced (Senior)

151. Automotive Engineering.—(Two hours per week.) Considers the fundamentals of automobile construction. It includes the engine and its accessories, carburetors, ignition, starting and lighting systems, cooling systems; the chassis and its component parts.
2 units, autumn quarter (Atwood)
Autumn, 8

[**Physical and Metallographic Constitution of Ordnance Steels.**—(Six hours per week.) This course may be substituted for Automotive Engineering 151 by Ordnance students who have had Mining and Metallurgy 105. A laboratory course designed to acquaint the student with the physical and metallographic properties of steels by means of heat treatment of specimens; determination of tensile and other properties; microscopic examination and some practice in photomicrography. (Mining and Metallurgy 237.)]

167. Ordnance Engineering.—(Two hours per week.) Lectures and problems dealing with the fundamental principles of design (gun); design of recoil and counter-recoil mechanisms. Calculations are made of stresses in gun carriages, gear trains, foundations, and foundation bolts used in different types of mounts.
2 units, winter quarter (Moser, Atwood) [Not given in 1925–26]

106a. Military Law.—(Two hours per week.) History, authority, sources of military law as applied to the United States Army in peace and in war; procedure in courts-martial; rules of land warfare.
2 units, spring quarter (Keliher) [Not given in 1925–26]

In addition to the foregoing twelve units required of all Ordnance students in the advanced course, *18 units* must be elected from the following listed courses: Chemistry 171, 173, 174, 181; Electrical Engineering 102, 103, 105, 124, 125; Engineering 110, 111; Law 100; Mechanical Engineering 1, 3, 5, 6, 107, 115, 123, 124, 131, 132, 133, 210, 234, 235, 237; Mathematics 100, 115; Mining and Metallurgy 105; Physics 120; Political Science 110.

MINING AND METALLURGY

THEODORE JESSE HOOVER, JAMES MACDONALD HYDE, Professors
HARRY WHEELER MORSE, Acting Professor
WELTON JOSEPH CROOK, WALDEMAR FENN DIETRICH, FREDERICK GEORGE TICKELL, Associate Professors
THOMAS B. CROWE, JOHN FRANKLIN DODGE, ROY PARMELEE MCLAUGHLIN, LOUIS DAVID MILLS, Lecturers

The curriculum of the department is founded upon the belief that the best university preparation for the career of a mining, metallurgical, or petroleum engineer is to be secured by a broad training in science, mathematics, English, history, and economics, followed by special training in professional subjects. This object is secured by (*a*) a four-year pre-mining course leading to the degree of Bachelor of Arts, and (*b*) a two-year postgraduate course in mining, petroleum, or metallurgy, leading to the degree of Engineer. In the four-year pre-mining course, the student becomes acquainted with a wide variety of subjects which are fundamental to life and to the development of his engineering concepts. The two-year postgraduate course is reserved for the pursuit of professional subjects in mining, petroleum, or metallurgy, together with such additional training in chemistry, engineering, geology, or economics, as may be required in individual cases. In the professional courses offered by the department the aim is to develop the student's ability to think in terms of the interrelation of the managerial and technical aspects of his chosen profession with the economic, industrial, and social problems of modern civilization. Considerable emphasis is therefore placed upon the subjective side of engineering, while the purely objective courses are designed to give the student a thorough training in the scientific methods of technical and financial analysis as applied to the solution of mining, petroleum, and metallurgical engineering problems.

The faculty of the department believes that, while in the University, the engineering student should become thoroughly conversant with, and to a certain extent skilled in, the use of the instruments of precision, yet he should spend no time in acquiring manual facility in those purely mechanical details that may be incidental to the practice of his profession.

I. ADMISSION TO THE PRE-MINING DEPARTMENT

The entrance requirements are those defined by the University for admission to the Lower Division.

II. PRE-MINING CURRICULUM, LOWER DIVISION

Students intending to make mining, metallurgical, or petroleum engineering a profession will register in the Lower Division, and complete two full years' work comprising the following curriculum:

FRESHMAN YEAR

AUTUMN QUARTER		WINTER QUARTER		SPRING QUARTER	
Mathematics 1*a*	5	Mathematics 1*b*	5	Mathematics 2*a*	5
Chemistry 7	2	Chemistry 9	2	Chemistry 4	3
Citizenship 1	4	Citizenship 2	4	Citizenship 3	4
Language	3	Language	3	Language	3
Engineering 1	1	Engineering 2	1		
Total	15	Total	15	Total	15

Sophomore Year

Mathematics 2*b*..... 5	Geology 103..... 3	Chemistry 20..... 6
History 3	History 3	History 3
English 2..... 3	Engineering 3..... 4	English 2..... 3
Geology 1*a*..... 5	Geology 142..... 4	Geology 143..... 4
	Mining and Metallurgy 1..... 1	
Total 16	Total 15	Total 16

III. PRE-MINING CURRICULUM, UPPER DIVISION

Upon completion of this Lower Division work students will then register in the Department of Mining and Metallurgy and complete the following pre-mining curriculum. Special students are not admitted to registration in this department. It will be noticed that in the spring quarter of the junior year a definite line of differentiation is made in the courses of study in mining, metallurgical, and petroleum engineering respectively. Students who do not desire to choose a definite line of work as early as the spring quarter of the junior year are advised to take the courses listed under the head of Mining. These courses are arranged so that there is room for a limited amount of elective work; it is recommended that such courses as Economics 3, 10, and 20, Engineering 106 and 110, Mechanical Engineering 121, Electrical Engineering 102, 122, 103, 123, Chemistry 101, and Mineralogy 225, be chosen as electives:

Junior Year

Autumn Quarter		Winter Quarter
Geology 121..... 4		Physics-Statics 11..... 1
Civil Engineering 20..... 5		Mathematics 3*a*..... 5
Mining and Metallurgy 105..... 3		Chemistry 111, 112..... 5
Electives 3		Electives 4
Total 15		Total 15

Spring Quarter

Mining	*Metallurgy*	*Petroleum*
Physics-Dynamics 12... 1	Physics-Dynamics 12... 1	Physics-Dynamics 12... 1
Physics-Heat 13..... 4	Physics-Heat 13..... 4	Physics-Heat 13..... 4
Mathematics 3*b*..... 5	Mathematics 3*b*..... 5	Mathematics 3*b*..... 5
Geology 163..... 4	Mechanical Engineering 12..... 3	Mechanical Engineering 12..... 3
Elective 1	Chemistry 153..... 3	Electives 2
Total 15	Total 16	Total 15

Summer Quarter

Geology 108..... 8		Geology 108..... 8
Geology 109..... 7	(None in Metallurgy)	Geology 109..... 7
Total 15		Total 15

Senior Year

Autumn Quarter

Physics-Electricity 14.. 4	Mining and Metallurgy 101..... 4	Physics-Electricity 14.. 4
Mining and Metallurgy 101..... 4	Chemistry 101 5	Mining and Metallurgy 101..... 4
Mechanical Engineering 11 or 12..... 3	Mechanical Engineering 122 3	Geology 144 2
Electives 4	Electives 3	Mechanical Engineering 122 3
		Electives 2
Total 15	Total 15	Total 15

SENIOR YEAR—*Continued*

WINTER QUARTER

Physics-Light 10 2	Physics-Light 10 2	Physics-Light 10 2
Mining and Metallurgy 102..... 5	Mining and Metallurgy 102..... 5	Mining and Metallurgy 103, or Economic Geology 162.. 3
Mining and Metallurgy 103..... 3	Mining and Metallurgy 106..... 5	Chemistry 127 5
Mining and Metallurgy 106..... 5	Electives 3	Geology 145 2
		Electives 3
Total 15	Total 15	Total 15

SPRING QUARTER

	Geology 163 4	
	Physics-Electricity 14.. 4	
	Electives 7	
(None in Mining)	Total 15	(None in Petroleum)

IV. PRE-MINING DEGREE

Students who complete the above four-year pre-mining curriculum in a satisfactory manner will be granted the degree of Bachelor of Arts.

V. PRE-MINING COURSES

The six courses described below are the only ones given in this department which are open to undergraduates:

1. History of Mining.—Lectures. A general survey of the metal supply of peoples and its effect on their progress in the arts, science, and culture; relation of mining and metallurgy to other industries, and to civilization. No prerequisite.

1 unit, winter quarter (HOOVER) [Not given in 1925–26]

101. Principles of Mining.—Lectures. Covering the whole subject, giving a comprehensive view of the industry, and serving as an outline for the orderly development of professional studies; prospecting; development; equipment; operation. Prerequisite: Geology 1*a*.

4 units, autumn quarter (DIETRICH, HOOVER) MTWTh 10
Autumn, 24

102. Principles of Metallurgy. — Lectures. Elementary discussion of broad principles of ore dressing and metallurgical operations. Preparatory to more detailed treatment in later courses; crushing, classification, concentration, hydrometallurgy, pyrometallurgy. Prerequisites: Chemistry 20, Geology 121 or Chemistry 101.

5 units, winter quarter (HYDE) MTWThF 10
Winter, 14

103. Principles of Petroleum Mining.—Lectures. Covers the whole subject of petroleum mining, giving the student a comprehensive view of the industry, and serves as an outline for the orderly development of professional studies. Properties, origin, accumulation, and occurrence of petroleum; valuation, development, production, storage, transportation, refining, and utilization. Prerequisites: Geology 1*a*, 142, and 143.

3 units, winter quarter (TICKELL) MWF 9
Winter, 25

105. Pyrometallurgy, Iron and Steel.—Lectures. The principles, practice, and cost of producing iron and steel; Theory and practice of heat treat-

ment; Introduction to metallography of steel; Theory, use, and production of alloy steels; Non-ferrous metals and alloys in engineering construction. Prerequisites: Chemistry 7, 9, and 4.
3 units, autumn quarter (Crook) MWF 8
Autumn, 103

106. Assaying.—Laboratory and Lectures. Determination of gold and silver in ores and metallurgical products. Prerequisites: Chemistry 111 and 112, Geology 121.
5 units, winter quarter (Hyde, Crook) MTWThF 1:05
Winter, 8

VI. GRADUATE DIVISION

Students who have completed the four-year pre-mining curriculum as given on pp. 299–301 and have received the degree of Bachelor of Arts from the University (or have had degrees and adequate training at some other university which, in the opinion of the faculty, is equivalent thereto) will, upon passing a satisfactory examination, be admitted as candidates for the degree of Engineer. Two years' residence in the University and ninety units of approved work, of which at least forty-five units must be selected from the following graduate courses, in addition to the presentation of a suitable thesis, complete the requirements for the degree of Engineer.

VII. GRADUATE COURSES

The following courses are open to graduate students in any department in the University. Some concessions in prerequisites are possible for those who are not candidates for the degree of Engineer in Mining and Metallurgy. None of the following courses are open to undergraduate students.

Economics of Mining

201. Mine Valuation.—Lectures and Problems. General considerations; sampling and measurement; widths and volumes; economic geology; analysis of cost; price of metals; smelter contracts; amortization and depreciation; reserves; reports. Prerequisites: Mining 101 and either 102 or 103.
2 units, autumn quarter (Hoover) Th 10
Autumn, 12

202. Mine Organization.—Lectures. The mining company; forms of business; frauds; selling mines; shares; balance sheet; profits; valuation; taxes; law. Prerequisite: Mining 201.
1 unit, winter quarter (Hoover) Th 9
Winter, 9

203. Mine Management.—Lectures. Organization and discipline of staff; technical committees, consulting engineers, managing directors, general managers; business principles and scientific management; vocational and technical training; personal qualities and efficiency; organization and discipline of labor; reports; supplies and material; cost and accounts. Prerequisite: Mining 202.
1 unit, spring quarter (Hoover) Th 9
Spring, 12

204. Valuation, Organization, Management.—Seminar and Problems. Analysis of data and elaboration of schemes of operation. Prerequisite: Mining 203.
1 unit, spring quarter (Hoover) [Not given in 1925–26]

205. Research and Thesis.—Original study of some problem in the economics of mining, metallurgy, or petroleum.
Winter quarter (HOOVER) By arrangement
Winter, 1

MINING

211. Prospecting and Development.—Seminar and Problems. The prospector; geological aspects; placer prospecting, prospecting for deposits in place, methods, and costs; engineering features; boring methods; development plans; methods and costs of shaft sinking, drifting, and raising; engineering records. Prerequisites: Mining 101 and either 102 or 103.
3 units, autumn quarter (DIETRICH) MW 8
Autumn, 8

212. Surface Equipment.—Lectures and Problems. The economics and mechanics of surface equipment, including power, compressors, explosives, drills, roads, railroads, tramways, materials for structures, bins. Prerequisites: Mining 101, Physics 14, Engineering 110.
3 units, winter quarter (DIETRICH) TTh 11, Th 1:05
Winter, 3

213. Underground Equipment.—Lectures and Problems. The economics and mechanics of hoisting, haulage, drainage, and pumping, ventilation, illumination. Prerequisite: Mining 212.
3 units, spring quarter (DIETRICH) TTh 11
Spring, 3

214. Surface Operations.—Seminar and Problems. The methods and costs of open-pit and placer mining. Given in alternate years only. Prerequisite: Mining 211.
4 units, winter quarter (DIETRICH) [Not given in 1925–26]

215. Underground Operations.—Seminar and Problems. The methods and costs of underground mining. Given in alternate years only. Prerequisite: Mining 214.
5 units, spring quarter (DIETRICH) [Not given in 1925–26]

216. Mine Sampling and Surveying.—Preliminary study and practice during the winter quarter, followed by a field course during the spring vacation. Given in alternate years only. Prerequisites: Civil Engineering 20 and Mining 201.
4 units, winter and spring quarters (HOOVER, DIETRICH) (winter quarter) W 1:05;
Winter, 3; spring, 2 (spring vacation) 90 hours

217. Mine Efficiency Engineering.—Lectures, Seminar, and Problems. An objective course in modern scientific management applied to underground mining. Given in alternate years only. Prerequisites: Mining 201–203, 211, 212, and 215.
3 units, spring quarter (DIETRICH) MWF 9
Spring, 3

219. Mining Research and Thesis.—Original study of some problem in mining engineering.
Autumn, winter, and spring quarters (HOOVER, DIETRICH) [Not given in 1925–26]

METALLURGY

221. Crushing, Sizing, and Classification of Ores.—Lectures. Mechanical preparation of ores for concentration or hydrometallurgical treatment; principles, practice, and cost of crushing, pulverizing, sizing, and hydraulic

classification of ores, transportation of pulp throughout the plant, and thickening of pulps. Prerequisite: Mining 102.
2 units, autumn quarter (HYDE) TTh 9
Autumn, 3

222. Concentration Processes.—Lectures. The principles, practice, and cost of the concentration of metalliferous minerals from ores. Prerequisite: Mining 221.
2 units, winter quarter (HYDE) MW 11
Winter, 1

223. Ore Dressing.—Laboratory. Mechanical testing by laboratory methods to determine best method of ore dressing. To accompany Course 213. Prerequisites: Mining 102 and 221.
2 to 5 units, winter quarter (HYDE) By arrangement
Winter, 2

224. Hydrometallurgy, Gold and Silver.—Lectures. The principles, practice, and cost of treating ores by amalgamation, cyanidation, chlorination, and lixiviation processes. Prerequisite: Mining 221.
3 units, autumn quarter (HYDE, MILLS, CROWE) MWF 9
Autumn, 2

225. Hydrometallurgy, Copper, Lead, and Zinc.—Lectures. The principles, practice, and cost of recovering copper, lead, and zinc from ores by hydrometallurgical processes. Prerequisite: Mining 221.
3 units, spring quarter (HYDE, MORSE) MWF 10
Spring, 7

226. Hydrometallurgy.—Laboratory. Study of hydrometallurgical problems; to accompany Courses 224 and 225.
2 to 5 units, autumn quarter (HYDE) By arrangement
Autumn, 1

227. Metallurgical Machinery.—Seminar and Problems. Design of an ore-treatment plant. Prerequisite: Mining 223 or 226.
2 units, winter and spring quarters (HYDE) [Not given in 1925–26]

228. Pyrometallurgy, Copper, Lead, and Zinc.—Lectures. The principles, practice, and cost of recovering copper, lead, and zinc from ores by pyrometallurgical methods; details of smelter operations; the physical chemistry of metallurgical operations. Prerequisite: Mining 102.
3 units, spring quarter (CROOK) TTh 8
Spring, 2

229. Pyrometallurgy.—Laboratory. Experiments illustrating the principles of oxydizing, sulphating, and chloridizing roasting, desilverization of base bullion, formation of slags, fusibility of refractories, heat treatment of steel, with checking of results by pyrometry and chemical analysis. Prerequisite: Mining 228.
2 units, autumn quarter (HYDE, CROOK) [Not given in 1925–26]

230. Electrometallurgy.—Lectures and Laboratory. Review of electrochemistry as applied to electro-deposition of metals; principles and practice of electrolytic refining. The principles, practice, and cost of electric furnace work. Prerequisites: Mining 225, 228, and 234.
3 to 5 units, winter quarter (CROOK, MORSE) [Lab. not given 1926] MW 8
Winter, 1

231. Metallography.—Laboratory and Lectures. Study of the properties and microstructure of metals and alloys; technique of metallographic investigation and microphotography. Prerequisites: Mining 102 and 105.
4 units, winter quarter (CROOK) MT 8, MT 1:05
Winter, 1

232. Pyrometry.—Laboratory and Lectures. Determination of high temperature and calibration of pyrometrical instruments. Prerequisites: Mining 102 and 105.
3 units, winter quarter (CROOK) W 8, WT 1:05
Winter, 1

233. Metallurgical Calculations.—Seminar and Lectures. Calculation of problems involving physical chemistry as applied to igneous and hydrometallurgy; calculation of efficiency of processes and furnace operations. Blast furnace charge calculations, etc. Prerequisites: Mining 225 and 228.
3 units, autumn quarter (CROOK) T 8
Autumn, 4

234. Metallurgical Analysis: Ores.—Laboratory. Rapid methods for quantitative determination of constituents of non-ferrous ores and metallurgical by-products. Prerequisites: Chemistry 111, 112, Mining 102.
3 or 4 units, autumn quarter (DIETRICH) MTW 1:05
Autumn, 4

235. Metallurgical Analysis: Metals and Alloys.—Laboratory. Rapid methods for quantitative determination of constituents of metals and alloys, ferrous metallurgical products and raw materials. Prerequisites: Mining 105 and 234.
3 or 4 units, spring quarter (CROOK) By arrangement
Spring, 1

236. Heat Treatment.—Laboratory and Lectures. Practice in the heat treatment of plain and alloy steels and non-ferrous alloys under controlled conditions. Testing and examination of products. Prerequisites: Mining 231 and 232.
4 units, spring quarter (CROOK)
Spring, 1

237. Metallurgical Research and Thesis.—Original study of some problem in metallurgical engineering.
Spring quarter (HOOVER, HYDE, CROOK) By arrangement
Spring, 1

PETROLEUM

241. Petroleum Engineering.—Lectures and Problems. A course in the application of engineering principles to the solution of underground problems; construction of graphic logs and sections, correlation of strata, study of water problems. Prerequisite: Mining 103, or Economic Geology 162.
4 units, autumn quarter (TICKELL, MCLAUGHLIN) MWF 11
Autumn, 14

242. Oil Well Water Analysis.—Laboratory. Rapid methods for the volumetric analysis of oil well waters. Prerequisites: Chemistry 112 or 114, Mining 241.
2 units, autumn quarter (TICKELL) MT 1
Autumn, 3

243. Oil Field Development.—Lectures. Dealing with the equipment and methods used in drilling oil wells. Prerequisite: Mining 103, or Economic Geology 162.
2 units, autumn quarter (TICKELL) TTh 11
Autumn, 7

244. Production of Oil.—Lectures. The production of oil, control of wells, pumping methods, operations, dehydration. Prerequisite: Mining 243.
2 units, spring quarter (TICKELL) [Not given in 1925–26]

245. Storage and Transportation of Petroleum.—Lectures and Problems. Methods of storage and transportation; methods of gauging, design of tanks and pipelines, prevention of storage losses, fire hazards, gas measurement. Prerequisite: Mining 241.
3 units, winter quarter (TICKELL) TTh 9
Winter, 9

246. Petroleum Refining and Utilization.—Lectures and Problems. Refined products and their use for fuels, light generation, and lubrication; the economics of petroleum. Prerequisite: Mining 244.
3 units, spring quarter (TICKELL) TTh 11
Spring, 10

247. Oil Land Valuation.—Lectures and Problems. The methods used in appraising oil lands; estimation of future production, operating costs, depreciation of material, salvage, value of future profits, tax returns. Prerequisite: Mining 244.
2 units, spring quarter (TICKELL) TTh 9
Spring, 10

248. Oil Testing.—Laboratory. Determination of the physical properties of crude oils and their refined products, including the routine commercial tests on these substances. Prerequisite: Mining 103.
3 units, winter quarter (TICKELL) By arrangement
Winter, 6

249. Oil Field Sediments.—Laboratory. Mechanical analysis of sediments as to grain size, porosity, mineral content, oil content by extraction and distillation, etc.
2 units, spring quarter (TICKELL) By arrangement
Spring, 6

250. Advanced Work in Petroleum Engineering.—Laboratory. Special work in Courses 241 to 249.
2 to 5 units, autumn, winter, and spring quarters (TICKELL) By arrangement
Autumn, 7; winter, 2; spring, 2

250a. Oil Field Sediments.
2 units, autumn quarter (TICKELL) By arrangement
Autumn, 1

251. Petroleum Research and Thesis.—Original study of some problem in petroleum engineering.
Autumn, winter, and spring quarters (HOOVER, TICKELL) [Not given in 1925–26]

261. Clay Testing.
3 units, winter and spring quarters (DIETRICH) By arrangement
Winter, 1; spring, 2

263. Ceramic Industry.
5 units, spring quarter (DIETRICH) By arrangement
Spring, 1

MUSIC

WARREN D. ALLEN, Organist, and Director of the University Choir
HELEN E. ATKINSON, Assistant in Instruction

1. Choir.—The choir sings at the morning service each Sunday in Memorial Church, the music consisting of anthem, chant, and hymns. Continuous course until end of year.
1 unit per quarter (ALLEN) Rehearsal Th 7:35 P.M.
Autumn, 62; winter, 58; spring, 54; summer, 11

2. Oratorio.—A separate choir, formed for the performance of oratorio and other major choral works.
1 unit per quarter (ALLEN) Rehearsal Th 8:20 P.M.
Autumn, 42; winter, 53

3. Orchestra.—A course in orchestral and ensemble playing for students with sufficient experience in handling stringed instruments, wood-wind, or brass. Registration only upon passing of an individual trial.
1 unit per quarter (ALLEN, ATKINSON) W 7:15–9:15 P.M.
Winter, 20; spring, 21

4. Military Band.
1 unit per quarter (E. W. MARTIN) TTh 4:15–5:30, 7–8 P.M.
Autumn, 51; winter, 86; spring, 64

PHILOSOPHY

HENRY WALDGRAVE STUART, Professor
MORITZ GEIGER (University of Göttingen), Acting Professor (Summer Quarter)
HAROLD CHAPMAN BROWN, Associate Professor

The requirements for graduation in this department constitute an adequate preparation for advanced studies in Philosophy, and leave opportunity for the other elements of a general or liberal education. Major students are required to present for the Bachelor's degree 35 units in Philosophy (in which Courses 1, 2, 100, 101, 102, and 200 must be included), and also the general courses in Psychology and in Medieval and Modern European History or English History (which should be taken during the first two years in the University). The second-year courses in French or German are recommended as a part of the Lower Division work of intending major students. Each major student will be expected to devote sufficient time to a minor subject to gain a substantial knowledge of some one of its principal divisions or aspects.

The department will enroll students for one year of graduate work, leading to the degree of Master of Arts or to a minor for the degree of Doctor of Philosophy. The philosophical section of the general library contains at present (1) upwards of twenty complete sets of the leading philosophical journals—for most of which current subscriptions are carried, (2) the best available editions of the works of the principal philosophers, and (3) an extensive and constantly increasing collection of standard and contemporary literature—historical, critical, and constructive—covering the various fields of philosophical study.

ELEMENTARY COURSES

1. Logic.—The principles of Deductive and Inductive Logic, with special attention to the important types of fallacy. Open to all students.
5 units, autumn quarter (STUART) MTWThF 9
Autumn, 108 (2 sections)

2. Ethics.—A short survey of the morality of primitive peoples as compared with more developed forms of morality. The working principles of

good conduct. The important historic theories as to the ethical criterion. Prerequisite: second-year standing.
5 units, autumn quarter (STUART) TWThF 8
Autumn, 41

3. Modern Scientific Conceptions of Nature and Mind.—A study of current views of cosmic structure and the place of man and his activities in nature, in the light of recent developments in physical chemistry, evolutionary biology, and psychology. Prerequisite: second-year standing.
5 units, autumn quarter (BROWN) TWThF 10
Autumn, 85

4. Esthetics.—The origins and nature of art. Its significance for religion, morality, and social life. The rise of art forms. Contemporary theories of esthetics. Prerequisite: second-year standing.
5 units, summer quarter (BROWN) TWThF 8
Summer, 21

5. Inductive Logic.—Methods of investigation in use in the natural and social sciences, and the cardinal assumptions and principles on which these methods are based. The course closes with a brief introduction to the field of general philosophy. Prerequisite: Course 1, or second-year standing with approval.
5 units (STUART) [Not given in 1925–26]

6. Introduction to Philosophy.—The way to philosophy in life and science. The problems of philosophy and their typical solutions. Open to all except first-year students.
5 units, summer quarter (GEIGER) TWThF 10
Summer, 45

INTERMEDIATE COURSES

100. History of Philosophy.—The development of philosophical theories from the early Greek period to the end of the eighteenth century, with a brief outline of philosophical movements in the nineteenth century. Attention will be given throughout to the relations of philosophy with social and political conditions and with science, literature, and religion. Either quarter may be taken without the other.
5 units, autumn and winter quarters (BROWN) TWThF 11
Autumn, 67; winter, 54

101. Philosophy of the Nineteenth Century.—The development of philosophical problems in France, Great Britain, Germany, and America will be studied in successive years in relation to the national genius and to contemporary social conditions. Prerequisite: Course 100, or special permission of the instructor for suitably qualified third- or fourth-year students. The subject for 1925–26 was French Philosophy.
5 units, winter, spring, and summer quarters (BROWN) TWThF 9
Winter, 1; spring, 1; summer, 15

102. Introduction to Philosophy.—The aims and uses of philosophical study and the relation of philosophy to other subjects. How the problems of philosophy arise in the ordinary course of our experience. A review of the more important answers which have been proposed for these problems.
5 units, winter quarter (STUART) TWThF 8
Winter, 38

103. Ethical Principles and Practical Life.—A comparative study of selections from Aristotle, the Stoics, the New Testament, Herbert Spencer, Matthew Arnold, Nietzsche, and Tolstoy. The contemporary historical conditions of various sorts which were influential in forming each type of

ethical teaching, and the practical tendencies of each type as applied in actual behavior. Prerequisite: Course 2 or an approved equivalent.
5 units (STUART) [Not given in 1925–26]

104. The Social Order and the Individual.—Insect and animal "societies" and the types of human social organization. Social authority and individual initiative. The ethical basis of political obligation. The nature of democracy, aristocracy, and absolutism. Prerequisite: Course 2 or an approved equivalent.
5 units (STUART) [Not given in 1925–26]

105. Religion.—The psychological and social origins of religion. The relations of religion to science, to morality, and to philosophy. The distinctive content and characteristics of the great religions.
5 units (STUART) [Not given in 1925–26]

106. The History of Intelligence.—The mental processes of primitive peoples. The beginnings of thinking and the ideal of truth. Great movements in intellectual progress. Contemporary forms of truth-seeking in art, science, and religion. Prerequisite: Course 1, 2, or 3.
5 units, winter quarter (BROWN) TWThF 10
Winter, 95

ADVANCED AND GRADUATE COURSES

[Special work is assigned for graduate students in connection with certain of the Intermediate Courses listed above.]

200. The Problems of Contemporary Philosophy.—A constructive discussion of the main problems of general philosophy. Leighton's *Man and the Cosmos* (N.Y. 1922) was used as a text, together with collateral reading. Prerequisites: Courses 100, 101, and 102 or an approved equivalent.
5 units, spring quarter (STUART) TWThF 10
Spring, 11

201. The Problem of Reality.—The nature of reality and the nature and possibility of knowledge. The forms of reality in psychical life, in science and in history and their basic unity. Readings in contemporary philosophical literature.
5 units, summer quarter (GEIGER) TWThF 11
Summer, 10

250. Seminary.

a) Selected Topics.
Autumn and summer quarters (BROWN) By arrangement
Autumn, 10 (3 groups); summer, 8

b) The Philosophy of Kant.
5 units, winter and spring quarters (STUART) W 7–9 P.M.
Winter, 5; spring, 7

c) Selected Topics.
Winter, spring, and summer quarters (STUART) By arrangement
Winter, 2; spring, 2; summer, 2

PHYSICAL EDUCATION FOR MEN

WILLIAM HULBERT BARROW, Professor of Physical Education and Medical Adviser, Director of Encina Gymnasium
GLENN SCOBEY WARNER (Football), ANDREW KERR (Football and Basketball), Directors

†Harry Wilfred Maloney (Minor Sports), Ernst Brandsten (Water Sports), Robert Lyman Templeton (Track and Field), Ernest Paul Hunt (Freshman Sports), Claude E. Thornhill (Football), Harry Meiggs Wolter (Baseball), Associate Directors
Charles Wesley Davis (Intramural Sports), Harold McDonald Davis (Tennis and Wrestling), Charles Myron Sprague (Swimming and Intramural Sports), Assistant Directors
Alfred Richard Masters, General Manager
Wallace Denny, Trainer

The Department of Physical Education for Men includes under its jurisdiction all of the recognized athletic activities of the men students of the University. Work is so graded and arranged that every student, regardless of his ability, is enabled and encouraged to take active part in these activities. With the exception of those who elect military training, enrollment in some chosen specified sport, for three one-hour periods per week, is required of all Lower Division students. Upper Division students who have fulfilled this requirement may enroll in any of the sports or classes, and if they satisfy the requirement in regard to attendance and performance will receive one unit of credit for each quarter they are thus enrolled. Physical examination is made of all men in their first quarter at the University, and of all candidates for teams or athletic competition.

In addition to the required work, and the intercollegiate and intramural activities, courses will be offered from time to time when practicable in the theory and practice of certain sports. Such courses will combine lectures and required reading with field work and will carry academic credit. There are, however, no courses given for prospective teachers of Physical Education. Courses 1 and 2 listed below will be given each year to afford the opportunity for students to become familiar with certain essentials of personal and community health.

1. Elementary Physiology and Hygiene.—The course is designed for men students in their first year at the University and does not require any previous knowledge of the subject. There are two lectures a week and required reading. The course is general in character and covers elementary anatomy of the human body and its normal functioning, cell formation and the differentiation of body tissues, effect of and reaction to disease, personal hygiene, and first aid. This course may be applied toward the fulfillment of the lower-division biological science requirement.

2 units, autumn quarter (Barrow) TTh 11
Autumn, 113

2. Preventive Medicine and General Hygiene.—This course is offered by the department with the assistance of the Department of Bacteriology and will continue into a broader field the work of Course 1. This will be a lecture course covering the fundamental principles of bacteriology and preventive medicine. Emphasis will be laid upon contagious disease, the hygiene of food, milk and water supplies, and general sanitation. Lectures and reading will be supplemented by laboratory demonstrations in elementary bacteriology and in laboratory methods for the examination of food supplies and water. No previous knowledge of the subject is required and the course

† Absent on leave, 1925–26.

will be open to both men and women students. It may be applied toward the fulfillment of the lower-division biological science requirement.
2 units, spring quarter (BLAIR, BARROW) TTh 9
Spring, 261 (2 sections)

3. Theory and Practice of Basketball.—This course covers the fundamentals and the general principles of the game of basketball, and lectures and required reading review the different systems used by various coaches. Written reports are required from time to time on supplementary reading of books by standard authorities in regard to the game. The course is offered with the idea of giving those who desire it for coaching and other purposes, a more intimate knowledge of basketball.
2 units, winter quarter (KERR) MW 10
Winter, 34

4. Theory and Practice of Football.—This course is given with the same general purposes for the study of football as are outlined for basketball in Course 3. The course is not intended so much for football players as for men who wish to develop their knowledge of the theoretical side of the game.
2 units, spring quarter (KERR) [Not given in 1925–26]

5. Theory and Practice of Soccer.—The same general procedure is followed in this course as in Courses 3 and 4. Required reading of standard authorities, reports on such reading, and original work in the nature of discussions of various methods of play constitute the work of the course.
2 units, autumn quarter (MALONEY) [Not given in 1925–26]

PHYSICAL EDUCATION FOR WOMEN

HELEN MASTERS BUNTING, Assistant Professor, and Director of Physical Education for Women
CLELIA DUEL MOSHER, Associate Professor of Personal Hygiene, and Medical Adviser of Women
MAUDE LEE ETHEREDGE, Associate Professor of Hygiene, and Acting Medical Adviser of Women (Summer Quarter)
RUTH CALVIN, Instructor
GRETA JOHANNSEN BRANDSTEN, GEORGINA MEYER BURK, Assistants in Instruction
DOROTHY HERDMAN, Secretary

The aim of Roble Gymnasium, as a laboratory of personal hygiene, is to improve the standard of health of the women; to increase their mental and physical efficiency; to foster a spirit of democracy and sportsmanship; and so to prepare for the highest type of citizenship.

Physical Education is required of all lower-division students, and satisfactory completion of each quarter in Physical Education is essential to promotion to the Upper Division. In general, the arrangement has been as follows: One hour of gymnastics per week for each quarter, and two hours per week for one quarter each of dancing, swimming, and an outdoor sport. After one quarter has been successfully passed in each of these two-hour courses the student may choose any two-hour courses offered to complete her required number of quarters. Beginning with the spring quarter, 1926, a change of policy was adopted which permitted students to choose

either the combination of a two-hour course and the one hour of formal gymnastics, or the combination of any two two-hour courses.

A physical examination is made of each student in order to give advice as to work to be undertaken and to aid the student in removing any physical handicaps.

One unit of University credit per quarter is given for three hours per week of satisfactory work in the activities courses, whether elective or required.

PERSONAL HYGIENE

1. Personal Hygiene.—A study of some of the factors which make for normal development and maximum efficiency in everyday living.
3 units, winter and spring quarters (MOSHER) MWF 11
Winter, 49 (2 sections); spring, 59 (2 sections)

PHYSICAL EDUCATION

1–5. Gymnastics.

1. Elementary Formal Gymnastics (one hour), combined with a two-hour course in dancing, swimming, or sports. Required of freshmen.
1 unit per quarter (BRANDSTEN, CALVIN)
Autumn, 82; winter, 91; spring, 11

2. Intermediate Formal Gymnastics (one hour), combined with any two-hour Physical Education course. Required of sophomores.
1 unit per quarter (BRANDSTEN)
Autumn, 124; winter, 115; spring, 19

3. Advanced Formal Gymnastics (one hour), combined with any two-hour Physical Education course. Elective for juniors and seniors.
1 unit per quarter (BRANDSTEN)
Autumn, 23; winter, 10; spring, 1

5. Remedial Gymnastics (two hours), combined with any other course. Required of freshmen and sophomores whose posture demands special correction or who have other remedial handicaps. Elective for juniors and seniors. Open only on consultation.
1 unit per quarter (CALVIN)
Autumn, 34; winter, 24; spring, 6; summer, 5

10–19. Dancing.

10. Elementary Dancing, natural (two hours).
Autumn, 15; winter, 79; spring, 43; summer, 17

11. Intermediate Dancing, natural (two hours).
Autumn, 13; winter, 12; spring, 45

12. Advanced Dancing, natural (two hours).
Winter, 11; spring, 14

15. Folk Dancing.
Winter, 30

One quarter of either Course 10, 11, 12, or 15, required in freshman year. One or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
1 unit per quarter (CALVIN) Combined with any other course

20–29. Swimming and Diving.

20. Elementary Swimming (two hours).
Autumn, 15; spring, 22; summer, 56

21. Intermediate Swimming. Requirement, 75 feet, any stroke (two hours).
Autumn, 21; winter, 4; spring, 45; summer, 27

22. Advanced Swimming. Requirement, 75 feet, crawl or trudgeon stroke (two hours).
Autumn, 39; winter, 7; spring, 44; summer, 19

23. Competitive Swimming. Open only to students who have had Course 22, or its equivalent (two hours).
Spring, 25

25. Elementary Diving. Requirement, straight dive from three-foot board (two hours).
Autumn, 11; winter, 5; spring, 12; summer, 9

26. Intermediate Diving. Requirement, running swan dive, back dive, forward jack-knife dive from three-foot board.
Winter, 3; spring, 5

27. Advanced Diving. Requirement, in addition to that of Course 26, backward jack-knife dive, and forward and backward somersaults from three-foot board.
Autumn, 1; winter, 1; spring, 4; summer, 1

One quarter of either swimming or diving required in freshman year. One or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
1 unit per quarter (BRANDSTEN, CALVIN) Combined with any other course

30–242. Sports.

30. Elementary Archery.
Autumn, 34; winter, 15; spring, 28

31. Intermediate Archery.
Autumn, 10; winter, 9; spring, 10

32. Advanced Archery.
Winter, 5; spring, 17

33. Freshman Basketball.
Winter, 39

34. Sophomore Basketball.
Winter, 27

133. Junior Basketball.
Winter, 24

134. Senior Basketball.
Winter, 9

234. Graduate Basketball.
Winter, 2

35. Freshman Hockey.
Autumn, 26

36. Sophomore Hockey.
Autumn, 32

135. Junior Hockey.
Autumn, 26

136. Senior Hockey.
Autumn, 15

236. Graduate Hockey.
Autumn, 3

38. Elementary Tennis.
Autumn, 31; winter, 12; spring, 5

39. Intermediate Tennis.
Autumn, 16; winter, 22; spring, 37

40. Advanced Tennis.
Autumn, 12; winter, 8; spring, 37

41. Freshman Track.
Spring, 9

42. Sophomore Track.
Spring, 15

141. Junior Track.
Spring, 9

142. Senior Track.
Spring, 2

242. Graduate Track.

One quarter of one sport required in freshman year; one or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
1 unit per quarter (BUNTING, BURK) Combined with any other course

110–299. Professional Courses.—Professional courses for training teachers of Physical Education. In preparation.

REGULATIONS AND REQUIREMENTS

Costume.—The gymnasium suit is especially designed for Stanford students and must be purchased at Roble Gymnasium. A limited number of suits may be rented at a nominal cost in special cases, upon consultation with the Director. Regulation gymnasium shoes are required for gymnastic and outdoor classes. Swimming suits are provided by the University. Each student provides her own caps and towel tickets. The complete outfit costs approximately twenty dollars.

Tennis.—The student is required to furnish her own racquet and balls.

Removal of Property.—All suits, shoes, racquets, or personal property not claimed within three days after the close of classes in this department each quarter will be collected and disposed of.

Fees.—A fee of $1.00 per day will be imposed for needless late registration in required classes. A gymnasium fee of $5.00 is required of graduate students taking work in Physical Education. Special fees will be charged as follows: Archery, $2.00; corrective gymnastics, $1.00; locker, 50 cents.

Deposit.—A deposit of $1.00 will be required for hockey, 50 cents of which will be refunded when property is returned.

PHYSICS

David Locke Webster, Frederick John Rogers, Professors
Joseph Grant Brown, Elmer Reginald Drew, Perley Ason Ross, Associate Professors
George Russell Harrison, Assistant Professor
John C. Slater (Harvard University), Acting Assistant Professor (Summer Quarter)
William Lyle Allred, Nelson Perry Case, Cedric Edward Hesthal, Assistants

LOWER DIVISION COURSES

These courses are divided into two main groups. One of these includes courses prescribed or recommended for students preparing for biology, chemistry, geology, medicine, and other lines of work not classed as engineering. The other group is designed for engineering students. Each group covers the general subject of physics, but they differ somewhat in their emphasis on various topics, and even more in their mathematical prerequisites.

For a detailed statement on prescribed courses, the student is referred to the announcement of his own department. In general, however, the courses of interest to non-engineering students are Courses 1 to 4 (inclusive) and Course 20, while those of interest to engineers are Courses 10 to 14 (inclusive), Course 20, and in the Upper Division, Courses 100 and 101.

Prospective Physics majors may take courses of either group, but are advised to begin their work in Physics with Courses 1, 2, 20, 4, 100, and 101, in the order named, and to take Course 13 concurrently with 100 or 101.

The details of each course are as follows:

1. Mechanics and Heat.—The lecture hours in this course are used chiefly for problem work on the application of mechanical principles to practical cases, and most of the experimental illustrations of these principles are found in the laboratory. The problems treated are on structures and machines of various kinds, and on the effects of inertia in moving bodies, including sound sources and sound receivers. Heat is treated only briefly, but with especial reference to the explanation of heat phenomena by the motions of molecules. The essential purpose of the course is not only to give information on these particular subjects, but also to introduce the student to the methods of exact reasoning needed in advanced scientific work of any kind. Three lectures, either with one laboratory period per week, counting 4 units altogether, or with two laboratory periods, counting 5 units altogether.

4 or 5 units, autumn quarter (WEBSTER, DREW, HARRISON, ALLRED, CASE) Lec. MWF 8 or 9; Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)
Autumn, 121

2. Electricity.—This course is concerned chiefly with problems on the common practical uses of direct currents, and experiments in the lecture room and laboratory illustrating their fundamental principles, including the essential principles of electrostatics, electrolysis, and electromagnetism. The last three weeks are given to brief surveys of alternating current phenomena and of the vacuum tube experiments that prove an electric current to be a stream of electrons.

4 or 5 units (as in Course 1), winter quarter (WEBSTER, DREW, HARRISON, ALLRED, CASE) Lec. MWF 8 or 9; Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)
Winter, 100

3. Lenses.—This course is planned for pre-medical students, as preparation for Physiology 103 and 105, but may be taken profitably by others who desire a brief survey of the optics of lenses and microscopes and cannot afford time for the more extensive work of Course 4 or Course 10. It may also be taken concurrently with Course 10. One laboratory period per week.

1 unit, winter quarter (DREW, ALLRED, CASE)
Winter, 71 Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)

4. Light.—The course will deal primarily with the subjects of refraction, dispersion, interference, diffraction, and polarization of light. The course is designed especially for Physics and Geology majors, but is open to others. Two lectures and two or three laboratory periods per week. Prerequisite: Course 1 or 12.

4 or 5 units, autumn quarter (BROWN, CASE)
Autumn, 12 Lec. TTh 9; Lab. (two or three periods) WThF 1:05–4:05

10. Light.—An elementary discussion of the simple phenomena of reflection, refraction, interference, and polarization, and a study of the ways in which these phenomena are utilized in the common optical instruments and for refined measurements. As this course consists of lectures and problems only, students desiring laboratory work also may take Course 3 concurrently with it.

2 units, winter quarter (DREW) Lec. WF 11
Winter, 47

11. Statics.—A laboratory course to be taken concurrently with corresponding part of Theoretical Mechanics (Mathematics 3*a*) or Physics 111. (One laboratory period per week.)

1 unit, autumn, *winter, and *spring quarters (ROSS, ALLRED, HESTHAL)
Autumn, 24; winter, 39; spring, 4 MTWThF 1:05–4:05

12. Dynamics.—A laboratory course to be taken concurrently with the corresponding part of Theoretical Mechanics (Mathematics *3b*) or Physics 112. (One laboratory period per week.)

1 unit, winter and *spring quarters (Ross, Allred, Hesthal)
Winter, 32; spring, 32 MTWThF 1:05–4:05

13. Heat.—The course will treat the subjects of expansion, change of state, calorimetry, transfer of heat, radiation, absorption, and the relation of heat to other forms of energy. The properties of liquids and gases, including elasticity, viscosity, surface tension, diffusion, and osmosis will be treated briefly. Prerequisite: Course 12 or concurrently with 12.

4 or 5 units, winter and *spring quarters
Winter, (Brown) Lec. TTh 11; Lab. (two or three periods) WThF 1:05–4:05
Spring, (Drew) Lec. MWF 11; Lab. (one or two periods) MTW 1:05–4:05
Winter, 14; spring, 41

14. Electricity.—Magnets, magnetic fields, magnetic flux, and magnetic circuits. Electric currents, electromotive force, and resistance in electrical circuits. Electric charges, electric fields, and electric potentials. Electromagnetism, electromagnetic induction, electric and magnetic energy transformations. The C.G.S. and practical units of electrical quantities. Continued in Course 100. Prerequisite: Course 13.

4 or 5 units, autumn, *spring, and *summer quarters
Autumn, (Rogers) Lec. MWF 11; Lab. (one or two periods) MTW 1:05–4:05
Spring, (Harrison) Lec. TTh 11; Lab. (two or three periods) TWThF 1:05–4:05
Summer, (Rogers) Lec. MWF 11; Lab. (one or two periods) MT 1:05–4:05
Autumn, 43; spring, 20; summer, 6

20. Modern Physics.—A course on the discoveries of the last few decades on the nature of matter and energy. Specific topics covered are: the properties of electrons and atomic nuclei; electrons and nuclei as the constituents of atoms, with current theories of atomic structure; the wave theory of light and the electrical nature of light waves; the reactions between electrons, light waves, and atomic collisions, leading to the theory of quanta; the nature of space and time. These topics are not suitable for problems or laboratory work, and are therefore treated by reading and lectures, with lecture experiments where they are practicable. Prerequisite: Course 2 or 14.

3 units, spring and *summer quarters
Spring (Webster, Rogers, Ross, Harrison) Lec. MWF 8
Spring, 90; summer, 12 Summer (Slater) Lec. TWTh 10

UPPER DIVISION COURSES

100. Electricity and Electrical Measurements.—Precise measurements of current, E.M.F., resistance, electric power, capacitance, inductance, and the magnetic properties of iron. Lectures on the foregoing topics and on electric oscillations and resonance, electric discharges, cathode rays, and electron tubes. Prerequisites: Course 2 and calculus, or Course 14.

4 or 5 units, autumn, winter, and *summer quarters (Rogers)
Lec. TTh 11; Lab. (two or three periods) MTThF 1:05–4:05
Autumn, 2; winter, 27; summer, 7

101. Ions and Electrons.—General principles of electron theory. Electrical discharges. Ionization and conductivity of gases. Thermionics and electron tubes. Prerequisite: Course 100.

5 units, spring quarter (Harrison) Lec. MWF 11; Lab. ThF 1:05–4:05
Spring, 5

102. Radioactivity.—Lectures, lecture experiments, and a few laboratory experiments on radioactivity. Prerequisite: Course 100.

4 units, autumn quarter (Ross) Lec. MTW 11; Lab. M 1:05–4:05
[Given in alternate years; not offered in 1925–26]

103. X-Rays.—A reading course with a few lectures and laboratory experiments, primarily for physics majors and students who intend to apply X-rays for medical purposes. Prerequisite: Courses 20 or 100.
3 units, autumn quarter (WEBSTER) By arrangement
[In alternate years; not offered in 1925–26]

110. Wave-Motion and Sound.—About one-third of the time will be given to wave-motion, using wave machines, wave models, ripple troughs, and lantern slides for illustration. The work on sound will deal largely with the production and propagation of sound, resonance, interference, musical instruments, and hearing. The production and properties of high-frequency sound, the phonograph, the radiophone, and acoustics of auditoriums will be treated briefly. Two lectures and two or three laboratory periods per week. Prerequisite: Course 1 or 12.
4 or 5 units, spring quarter (BROWN) Lec. TTh 9; Lab. (2 or 3 periods)
[In alternate years; not offered in 1925–26]

111. Theoretical Mechanics.—A course on the mathematical theory of mechanics for students of physics and mathematics. Students in this course may take Course 11 (laboratory only) concurrently with it, and are advised to do so. Prerequisite: calculus.
5 units, autumn quarter (ROSS) Lec. MTWThF 9
Autumn, 6

112. Theoretical Mechanics.—A continuation of Course 111. Students in this course may take Course 12 concurrently, and are advised to do so. Prerequisite: Course 111.
5 units, winter quarter (ROSS) Lec. MTWThF 9
Winter, 5

113. Mechanical Measurements.—A course in exact measurements of mass, length, time, gravity, elasticity, surface tension, viscosity, etc. The student will be given the privilege of selecting the field in which he works. Two or three laboratory periods per week. Prerequisite: Course 1 or 12.
2 or 3 units, spring quarter (BROWN) [Given in alternate years]
Spring, 2

120. Optical Instruments.—Elementary geometrical optics of the prism, the thick lens, and combinations of lenses, as used in optical instruments. Theory of the diffraction grating and interferometer, resolving power of instruments. Prerequisite: Course 4. Three lectures and one laboratory period per week.
4 units, winter quarter (DREW) By arrangement
Winter, 8 [Given in alternate years]

121. Physical Optics.—Lectures on emission and absorption spectra, magneto-optics, optical activity, fluorescence, and theories of atomic and molecular structure. Laboratory work with spectrometer, interferometer, and polarimeter. Prerequisite: Course 120.
4 units, spring quarter (HARRISON, BROWN) Lec. TTh 10; Lab. ThF 1:05–4:05
Spring, 7 [Given in alternate years]

130. Meteorology.—A course on the physics of the air. Textbook, lectures, and problems. Prerequisite: a year of college physics.
4 units, winter quarter (BROWN) Lec. MWF 11
Winter, 9 [Given in alternate years]

131. Atmospheric Electricity.—The potential gradient of the earth's electric field; ionization of the atmosphere; electrification of clouds and rain; and theories. Prerequisite: Physics 2 or 14. Physics 101 and ability to read German are desirable.
3 units, winter quarter (BROWN) Lec. MWF 9
[Given in alternate years; not offered in 1925–26]

140. History of Physics and Physical Sciences up to the opening of the nineteenth century. A course designed especially for students preparing for high-school or college teaching, or for research in physics. Each member of the class is assigned a particular field and he is expected to prepare and present lectures on the history of this field. Prerequisite: a year of college physics.

2 units, autumn quarter (BROWN) TTh 11
Autumn, 4

141. History of Physics during the nineteenth century and up to the present. A continuation of Course 140.

2 units, winter quarter (Ross) TTh 11
Winter, 4

COURSES PRIMARILY FOR GRADUATES

200. Teacher's Course in Physics.—The history of the development of present-day methods of teaching physics, and practice in outlining courses for use in the high school. Two lectures and one library period per week. Prerequisite: a year of college physics.

3 units, spring and *summer quarters By arrangement
Spring quarter (BROWN); summer quarter (ROGERS)
Spring, 5; summer, 6

201. Literature of Physics.—An intensive study of the literature of special topics in physics. This course is intended for two classes of students: (*a*) those who expect to engage in research and wish to become familiar with the present status of the subject of the proposed research; and (*b*) those who are preparing for the teaching of physics and wish to acquire facility in working up a subject for class use. The work consists chiefly in the preparation and presentation of reports upon the topics studied.

(ANY MEMBER OF THE DEPARTMENT) By arrangement
Autumn, 1; winter, 3; spring, 2; summer, 2

205. Advanced Electricity.—Electric forces, fields, and potential, and the computation of capacitances. The Faraday-Maxwell theory of dielectric stresses. Theories of magnetism and hysteresis. The circuital laws of electromagnetism, the computation of inductances. Electric oscillations and resonance. The elements of electromagnetic waves. Prerequisite: Course 100.

5 units, autumn quarter (ROGERS) Hours by arrangement
Autumn, 6 [Given in alternate years]

206. Electrical Theory.—Maxwell's equations and electromagnetic radiation; Poynting's theorem; electron theory. Prerequisite: Course 205.

5 units, autumn and winter quarters (ROGERS) By arrangement
Autumn, 2; winter, 5 [Given in alternate years]

210. Kinetic Theory.—The properties of gases deduced from the mechanics of molecules, equipartition of energy and specific heats, electron theory of conductivity, Brownian movement, surface energy, critical point and change of state, cohesion and cohesion phenomena. Prerequisite: Course 112.

5 units, autumn quarter (Ross) By arrangement
[In alternate years; not offered in 1925–26]

211. Thermodynamics.—Extended discussion of the second law of thermodynamics and its application to physical and chemical transformations. Prerequisite: calculus.

3 units, autumn quarter (DREW) [In alternate years; not offered in 1925–26]

214. Quantum Theories of Line Spectra.—Reading and conferences on current theories of the line spectra of light and X-rays, and their relation to atomic structure. Prerequisite: Course 213.

3 units, winter quarter (HARRISON) MWF 11
Winter, 6 [Given in alternate years]

215. Quantum Theories of Continuous Spectra.—Reading and conferences on current theories of the continuous spectra of light and X-rays. Prerequisite: Course 214.

3 units, spring quarter (WEBSTER) By arrangement
Spring, 5 [Given in alternate years]

216. Atoms and Spectra.—Latest developments in the theories of atomic structure depending on evidence from line spectra. Prerequisite: Course 214.

3 units, summer quarter (SLATER) By arrangement
Summer, 2

220. Journal Club.—Oral reports on the current literature of physics by department faculty and graduate students.

Spring quarter [Not given in 1925–26]

230. Research.—Under this head may be included all work on original problems, experimental or theoretical.

Units and quarter by arrangement (ANY MEMBER OF THE DEPARTMENT)
Autumn, 5 (2 groups); winter, 4 (2 groups); spring, 6 (2 groups); summer, 1

Requirements for Graduation.—For graduation in the department the minimum requirement is 60 units of Physics and Chemistry, of which at least 45 units must be Physics. Mathematics *3a* and *3b* may be counted as Physics courses for the purpose of fulfilling this requirement; and some other courses in related sciences may be counted in full or part value for this purpose on the approval of the Department of Physics. Physics majors are advised to begin their work in Physics with Courses 1, 2, 20, 4, 100, and 101, in the order named, and to take Course 13 concurrently with 100 or 101.

The Teacher's Recommendation.—The minimum requirement for a major is 45 units of Physics, which should include Courses 1, 2, 20, 4, and 200. For a minor, the minimum requirement is 25 units, which should include Courses 1, 2, 20, and 200. Courses in related subjects may be substituted for some of the Physics courses on the approval of the Department of Physics. It is highly desirable for candidates for the Teacher's Recommendation in Physics to work as Teaching Assistants in the elementary laboratories. The practice-teaching requirement of the Department of Education may be met in this way.

Laboratory Fees.—Courses with one laboratory period, $3 per quarter; two, $5 per quarter; three, $6 per quarter; but no fees will be charged in Course 230 (Research).

POLITICAL SCIENCE

VICTOR J. WEST, †EDWIN ANGELL COTTRELL, Professors
ROBERT TREAT CRANE (University of Michigan), Acting Professor
EDWARD SAMUEL CORWIN (Princeton University), Acting Professor (Summer Quarter)

† Absent on leave 1925–26.

GRAHAM HENRY STUART, Associate Professor
FLORA MAY FEARING, CHARLES HICKMAN TITUS, Instructors in Citizenship
EUNICE K. BAKER, JAMES A. CLIFFORD GRANT, VICTOR HUNT HARDING, HUGO WALL, Assistants in Research

It is the purpose of the Department of Political Science to provide instruction for (*a*) those students, whatever their special interests, who desire to be informed about the organization, relationships, and processes of political institutions, and (*b*) those who desire to become teachers or investigators in political science. The courses offered by the department are so planned that, together with certain courses in Economics, History, Law, and Philosophy, they constitute a systematic and fairly complete treatment of the subject. Each course, except Course 1, deals with a special phase of the subject and has a definite relation to all the other courses offered, but is so presented as to be complete in itself. Course 1 serves as a general survey of political science and as an introduction to all the other courses.

Graduation.—The department accepts as major students both the specialists and those desiring the fundamentals of a liberal education. The minimum requirements for the recommendation for the degree of Bachelor of Arts in Political Science are the completion of (1) the work of the Lower Division (or its equivalent) and (2) about forty units of Political Science. The department will endeavor to arrange the program of each of its major students to fit his particular aims. Certain courses in Economics, History, Law, and Philosophy may be counted as Political Science at the discretion of the department.

Students desiring to prepare for foreign service or for municipal management are invited to confer with the department respecting the opportunities in these lines and the course of study for each.

Teacher's Recommendation.—For the recommendation for the high-school teacher's certificate with Political Science as a minor, the applicant should have completed, in a manner satisfactory to the department, at least 23 units in Political Science, including Courses 1, 2, and 10.

Advanced Degrees.—Advanced and graduate courses are described in the following pages. For the conditions under which candidates for higher degrees are accepted by the department, see the *Graduate Study Bulletin.*

ELEMENTARY AND GENERAL COURSES

1. Introduction to Political Science.—Fundamental political conceptions: state, government, nature and source of public authority, individual liberty; governmental organization; governmental functions; political parties; international relations. Open to all students. This course, or its equivalent, is prerequisite for all other courses offered by the department.
5 units, autumn quarter (WEST) MTWThF 8
Autumn, 167

2. State and Local Government.—Township, municipal, county, and state government in the United States, with special attention to California. (Open to first-year students by permission.)
5 units, spring quarter (TITUS) MTWThF 8
Spring, 56

INTERMEDIATE COURSES

[Not open to students who have less than 40 units of university credit.]

10. Comparative Federal Government.—An inquiry into the operation of the federal principle in the United States and other federal states. Concerned chiefly with the "division of powers" and the relationships between central and local governments; emphasis on recent tendencies.
5 units, summer quarter (WEST) TWThF 8
Summer, 46

11. Parliamentary Government.—A study of those European governments in which the responsible ministry is the characteristic feature; especial attention to England and France. Emphasis on the relationships between the representative assembly and the executive.
5 units, spring quarter (STUART) MTWTh 9
Spring, 47

20. Current International Politics.—A study of the outstanding political problems resulting from the Great War; the fulfillment of the Treaty of Versailles; the settlement of the allied debt; the Near Eastern question; the foreign policy of the Coolidge administration; other international questions of current interest.
3 units, spring quarter (STUART) MTW 11
Spring, 74

ADVANCED COURSES

[Not open to students who have less than 80 units of university credit, except by special arrangement.]

100. Elections.—The organization of the electorate for the performance of the functions of direction and control of governments; theories of voting; qualifications for voting; election methods—primary and ballot laws, safeguards against fraud, election contests, etc.
3 units (WEST) [Given in winter, 1925; not offered in 1925–26]

101. Legislatures and Legislation.—Composition, organization, and functions of representative assemblies; theories of representation; legislative procedure for control purposes and law-making; direct legislation.
5 units, summer quarter (WEST) TWThF 10
Summer, 21

102. Political Parties.—The political party as a part of the political machinery; party organization; party activities; campaign methods; reform movements; public opinion and party leadership; the true functions of parties; party responsibility. (Desirable prerequisite: Political Science 100.)
5 units, winter quarter (WEST) MTWTh 8
Winter, 57

110. Administrative Organization.—Principles of administrative organization; relation of executive to other branches; territorial distribution of administrative functions; organization of executive departments; elective versus appointive executives; single versus plural executives; responsibility of administrative officers; administrative reorganization in the United States.
5 units, autumn quarter (CRANE) MTWTh 10
Autumn, 32

111. Administrative Problems.—Methods of administrative control; the budget; accounting and reporting; purchase and supply; personnel—selec-

tion, promotion and demotion, removal and retirement. (Desirable prerequisite: Political Science 110.)
5 units, winter quarter (CRANE) MTWTh 10
Winter, 35

112. Municipal Administration.—The special problems of city government: city planning; streets and parks; lighting; water supply; waste disposal; health; police; fire prevention and protection; education; revenue, expenditure, and debt; public utilities. (Desirable prerequisites: Political Science 110 and 111.)
4 units (COTTRELL) [Given in spring, 1925; not offered in 1925–26]

113. Administration of Justice.—The principles and methods of administrative and judicial organization and procedure for the enforcement of law—the settlement of controversies, and the conviction and punishment for violation of law.
(See Law 259) spring quarter (WHITTIER)

114. Foreign Service.—Organization and functions of the Department of State; duties of diplomatic and consular officers; diplomatic usage; negotiation, ratification, and termination of treaties.
3 units, winter quarter (STUART) MTW 9
Winter, 29

115. Colonial Administration.—Colonial expansion and its causes; modern imperialistic expansion of European states; the British self-governing dominions and the crown colonies; French, German, Dutch, and American systems of colonial administration; spheres of influence; mandate system.
3 units (STUART) [Not offered in 1925–26]

118. Government in Its Relation to Industry.—The effect on governmental problems caused by changes in business organization since the industrial revolution. The *laissez faire* versus the "general welfare" concept of governmental function. Measures needed to make the general welfare concept effective.
5 units (COTTRELL) [Given in summer, 1924; not offered in 1925–26]

119. Methods of Governmental Research.—The purpose of this course is the direction and training of students in methods of collecting and presenting data in governmental fields. Limited to 12 senior Political Science or Economics majors.
5 units (COTTRELL) [Given in autumn, 1924; not offered in 1925–26]

119a. Quantitative Studies in Politics and Administration.—A course designed for (1) those students interested in the problem of methods in the measurement and analysis of political phenomena; and (2) those who desire practice in quantitative treatment of governmental problems. The class will study the elementary statistical methods appropriate for dealing with administrative problems, with special emphasis upon (*a*) serviceable methods of gathering primary data; (*b*) tabulation of such data; (*c*) their presentation in such form that they may be used by the public for intelligent analysis and comparison. Students may choose problems in the fields of their immediate interest.
2 to 4 units, summer quarter (FEARING) T 2:05–4:05
Summer, 8

120. International Organization.—The progress of international organization in the past; the development of diplomatic and consular systems; good offices, mediation, and arbitration; experiments in international admin-

istration; projects for international federation; the establishment of the League of Nations and the World Court.
5 units, autumn quarter (STUART) MTWTh 11
Autumn, 59

121. The League of Nations.—Critical study of the Covenant of the League of Nations; the organization and functions of the League government; the various subordinate governing agencies; the mandated areas; the work of the League of Nations. (Desirable prerequisite: Political Science 120.)
5 units, winter quarter (STUART) MTWTh 11
Winter, 37

122. Introduction to International Law.—Nature and scope of international law; rights and duties of states; jurisdiction; nationality; relations of states in peace and war; international law and the League of Nations. An introductory course designed for the general student.
5 units, autumn quarter (STUART) MTWTh 8
Autumn, 39

GRADUATE COURSES

[Open to advanced undergraduates by permission.]

201. History of Political Theory.—Development of political thinking from ancient times to the present; Classical period; Medieval period; Renaissance and Reformation; revolution and reaction; the analytical school; the historical school; recent tendencies.
4 units, autumn quarter (CRANE) By arrangement
Autumn, 1

202. American Political Theories.—Development of political thinking in America from colonial times to the present day, including the theories of the Revolution, the Constitution, the Jeffersonian and Jacksonian democracies, the slavery controversy, "states' rights," and modern tendencies.
4 units (———) [Given in summer, 1925; not offered in 1925–26]

203. Contemporary Political Theory.—A detailed study of the leading political ideas since the middle of the nineteenth century with special reference to the various contemporary doctrines regarding the relation of the state to property and labor—socialism, guild socialism, syndicalism, the social catholic movement, etc.
5 units, spring quarter (CRANE) TWThF 1:05
Spring, 15

204. Principles of Politics.—A systematic study of the principles of political science; scope and method of political theory; the nature of the state; the origin and basis of the state; sovereignty; the form of the state; functions of the state.
5 units, summer quarter (CORWIN) TWThF 8
Summer, 29

240. Seminar in Politics.—Topic for 1925–26: Campaign methods.
2 units, autumn and winter quarters (WEST) T 1:30
Autumn, 8; winter, 9

241. Seminar in Government.
[Not given in 1925–26]

242. Seminar in International Relations.—Topic for 1925–26: International arbitral procedure.
2 units, winter and spring quarters (STUART) M 2:05
Winter, 13; spring, 13

243. Seminar in Political Statistics.—Quantitative studies in election data.
2 units, autumn, winter, and spring quarters (Fearing) Th 2:05
Autumn, 4; winter, 3; spring, 4

244. Seminar in Political Theory.—Current literature.
2 units, autumn quarter (Crane) W 3:05
Autumn, 7

245. Seminar in Political Theory.—American political and constitutional theory.
3 units, summer quarter (Corwin) T 4:05
Summer, 10

250. Graduate Seminar.—For candidates for higher degrees.
2 units, winter quarter (West) W 1:30
Winter, 8

Courses in public law are given by the Law Department, which offers the following:

[**Constitutional Law.** Law 225 and 226.]

[**Administrative Law and Public Officers.** Law 227.]

[**Municipal Corporations.** Law 238.]

[**Public International Law.** Law 216.]

[**Judicial Administration.** Law 259.]

The following courses offered by other departments deal very largely with subjects comprised in the field of political science:

[**Roman Municipal Organization.** Classical Literature C8.]

[**Public Finance.** Economics 21.]

[**English Literature and Political Thought.** English 193.]

[**Ideal Commonwealths.** English 197.]

[**Propaganda and Censorship.** History 146.]

[**British Constitutional History.** History 158.]

[**Tropical Colonization in the Far East.** History 167.]

[**Government of Japan.** History 197.]

[**Military Law.** Military Science 106.]

[**Social Order and the Individual.** Philosophy 104.]

[**Social Psychology.** Psychology 158.]

PSYCHOLOGY

Lewis Madison Terman, Walter Richard Miles, Edward Kellogg Strong, Jr., Professors
Truman Lee Kelley, Professor of Education
[Marion Rex Trabue, Acting Professor of Education]
John Edgar Coover, Associate Professor, and Research Fellow in Psychical Research
Calvin Perry Stone, Associate Professor
[Walter Crosby Eells, Acting Associate Professor of Education]
Maud Amanda Merrill, Assistant Professor

Paul R. Farnsworth, Franklin Smith Fearing, Instructors
Karl Duncker, Kate Gordon, Lecturers (Summer Quarter)
Helen P. Davidson, Research Fellow on the Buckel Foundation
Herbert R. Laslett, Helen Marshall, Miles A. Tinker, Assistants in Instruction
Florence Bathgate, Barbara Stoddard Burks, Mildred Burlingame, Psyche Cattell, Dortha Williams Jensen, Dorothy Nyswander, Zena O'Connor, Burton D. Thuma, Assistants in Research

The courses offered by the Department of Psychology are planned to meet the needs of three groups of students: (1) undergraduate majors in psychology; (2) candidates for the degrees of Master of Arts and Doctor of Philosophy with major or minor in psychology; (3) students who desire a general knowledge of psychology and of its applications.

Degrees of Bachelor of Arts and Master of Arts.—For the Bachelor's degree 45 units of psychology are required, including the following courses: 51, 55, and 60 or 190. It is recommended that students in the Lower Division who plan to major in psychology should take a laboratory science in the freshman year, preferably physics, biology, or physiology. Majors in psychology will ordinarily be expected to take additional courses in science before graduation. The work in psychology should be begun in the sophomore year with Courses 51 and 55. Before the beginning of the junior year students are also advised to take Mathematics 20, or Mathematics 1*a* and 1*b*.

For the Master's degree 45 units of university work are required, including 30 units of psychology in addition to the Bachelor's requirements. Of the 30 units required, 9 to 12 are ordinarily devoted to thesis. Only students whose undergraduate work has been above average quality will be accepted as candidates for the Master's degree in psychology.

Degree of Doctor of Philosophy.—The minimum residence requirement is three years beyond the Bachelor's degree, of which at least one year must be spent at Stanford. Although extensive course work, or its equivalent in independent study, is required, demonstrated ability to do original research is regarded as the most important criterion of fitness for this degree.

Besides acquiring a fairly broad mastery of the general field of psychology, candidates for the doctorate will be expected to do intensive work in one or more of the following lines: (1) Experimental Psychology (including animal behavior); (2) Educational Psychology (including tests and measurements); (3) Industrial Psychology. A command of statistical methods and a good reading knowledge of French and German should be acquired as early in the student's course as possible. Candidates whose major is in Experimental Psychology will be expected to take a minor or considerable work in one or more of the following sciences: biology, physiology, neurology, physics, or chemistry; those who major in Educational Psychology will ordinarily take a minor in education or in one of the biological sciences; those who major in Industrial Psychology will ordinarily take a minor in economics or education.

For additional information regarding advanced degrees, see the *Graduate Study Bulletin.*

Minor Requirements for Degree of Doctor of Philosophy.—Candidates for the Doctor's degree in other departments who elect a minor in psy-

chology will be expected to complete the equivalent of 45 units of psychology, of which approximately half shall be of graduate character. The required work is laid out for the candidate in terms of fields to be covered, rather than in terms of courses, and a large measure of freedom is allowed in respect to the manner in which the requirements may be met.

Major for the Teacher's Certificate.—The department offers a major in psychology for the Teacher's Certificate, but does not offer a teaching minor. The requirement for teaching major is the same as that for the degree of Bachelor of Arts in psychology; viz., 45 units.

Laboratories.—Aside from lecture and seminar rooms, offices, and library, the department has a laboratory comprising twenty-eight rooms which are well adapted to experimental purposes. In addition, there is an animal laboratory equipped with the common laboratory animals and with suitable apparatus.

Library.—The sum of $600 a year from the Thomas Welton Stanford Fund has been set aside for the purchase of psychological books and periodicals. A reading room is maintained in the department building, in which the leading texts and periodicals are kept.

Fellowships and Assistantships.—The Dr. C. Annette Buckel Foundation, supplemented by additional support from the Board of Trustees of the University, has provided a research fellowship for the psychology and pedagogy of backward children. A research assistantship for the study of gifted children has also been provided. There are two teaching assistantships in general and experimental psychology, one in abnormal and one in animal psychology.

Reagents.—A special point is made of trying to provide research students with suitable reagents. Accordingly, all advanced students are expected, when possible, to give a certain amount of time to this purpose.

Laboratory and Syllabus Fees:—A laboratory fee of $5.00 per quarter is charged for Courses 55, 131, and 165. For Courses 202, 203, 210, 225, and 226 the fee is $3.00 each. For certain other courses a syllabus fee of 50 cents to $2.00 is charged.

50. Mental Hygiene.—A lecture course dealing primarily with the adjustment of the individual to the group, taking into account such problems as emotional maladjustment, personality difficulties and inefficient adaptations. Some attention will be given to methods of learning and study. A lower-division course. Other students may register only after consultation with the instructor.

3 units, winter quarter (FEARING) MWF 9
Winter, 78

51. General Psychology.—An introductory survey of the field of mental life. The point of view, methods, general principles of psychology, and the experimentally attested facts of the science are presented. While the primary emphasis is on normal adult psychology and the application of these facts to the control of human behavior, the animal and abnormal fields are also outlined, and an attempt is made to answer the practical questions which the beginner usually has when undertaking a study of psychology. Lectures, demonstrations, and exercises. Freshman and senior students may enroll only by special arrangement.

5 units, autumn, *winter, and *summer quarters (FARNSWORTH, FEARING)
Autumn, 120; winter, 128; summer, 65 MTWThF 11

53. Psychology of Music.—A résumé of the musical tests now in use. A survey of some of the art principles underlying music. Prerequisites: Course 51 and an interest in music.

3 units, winter quarter (FARNSWORTH) MWF 8
2 units, summer quarter, first half (FARNSWORTH) MTThF 10
Winter, 35; summer, 8

55. Experimental Psychology.—A beginning laboratory course dealing entirely with human psychology. The emphasis of this course is primarily on the application of the experimental method to the collection and treatment of psychological data. Opportunity is provided for drill in the technique of scientific observation, including introspection, methods of handling data, and manipulation of simple psychological apparatus. Sensation, perception, affection, attention, association, and learning are systematically studied in the laboratory. Prerequisite: credit for or enrollment in Course 51. Unless special permission is granted, it is required that 55*a* be taken before 55*b*.

4 units, (55*a*) winter quarter, (55*b*) spring quarter (FEARING) MWF 1:05–4:05
Winter, 24; spring, 18

60. Introduction to Statistical Methods.—A demonstration and working course in statistical methods. Data resulting from "chance causes" are secured in a class experiment and are subjected to a complete statistical treatment, including: the determination and evaluation of measures of central tendency, dispersion, precision, reliability, and differences between means and between distributions; seriation and plotting, curve-fitting; correlation. Theory is discussed in connection with practice. Students provide Kelley's or Rugg's text and a polyphase duplex slide rule (with a B scale). Calculating machines and mathematical tables are available. Some knowledge of algebra is a prerequisite.

5 units, spring quarter (COOVER) MTWThF 10
Spring, 41

70. The Psychological Study of Biographies.—Typical biographies will be studied from the psychological point of view. Prerequisite: Course 51 or the equivalent.

2 units, summer quarter, first half (GORDON) MWF 8
Summer, 12

90. History of Psychical Research.—Lecture course. A canvass of opinion on psychic phenomena is made from the daily press, from the popular magazines, and from professional literature; a detailed study of the more important investigations by psychical researchers is made; canons of evidence and of experimental method are adduced, and the present status of the various psychic phenomena is defined. The psychology of testimony and the nature of scientific proof are considered in connection with the cases of research chosen for study. Assigned reading, class reports. Prerequisite: Course 51 or a laboratory course in science.

3 units, spring quarter (COOVER) [Not given in 1925–26]

110. Perception and Attention.—Beginning with a brief review of sensation, the topics of perception of space, motion, and time are taken up. Consideration is given to illusions, deception, observation, testimony and report. Lectures and demonstrations. Prerequisite: Courses 51.

3 units, winter quarter (MILES) MWF 9
Winter, 14

115. Memory and Thought.—The general problem is the retention and use of mental experience. A survey is made of the experimental work on memory, imagination, and the thought processes. Attention is given to such

topics as memory systems, feats of memory, types of memory, and eidetic imagery. Lectures and class reports. A written report will be required. Prerequisite: Course 110.

3 units, summer quarter (MILES) [Not given in 1925–26]

120. Psychology of Art.—Devoted chiefly to experimental findings in the fine arts (exclusive of music). The lectures include the following subjects: objectivity of art standards, origin of artistic behavior, the comic, the tragic, rhyme, line and form, color, stereoscopy, and pictorial third dimension, illusions, rhythm, and art tests. Prerequisite: Course 51, and an interest in art.

3 units, spring quarter (FARNSWORTH) MWF 8
Spring, 29

130. Animal Behavior.—A critical survey of the experimental studies in animal behavior. The general topics of instinct, habit, imitation, retention, transfer of training, etc., will receive detailed consideration. Lectures, demonstrations, recitations, and class reports. Prerequisite: General Psychology.

4 units, autumn quarter (STONE) MWF 10
Autumn, 20

131. Animal Behavior.—A laboratory course devoted primarily to the study of vertebrate animal behavior. A series of minor studies on congenital behavior of young and adult animals, habit formation, endocrine functions, neural functions, etc., will be conducted by the individual students and by the class as a whole. Investigations leading to theses for advanced degrees may be undertaken in this course and continued in subsequent quarters. Prerequisite: Course 130.

3 units (or more by arrangement), winter quarter (STONE) MWF 1:05–4:05
Winter, 3

140. Psychophysical Methods.—A seminar course. Brief review of the development of psychophysical methods; systematic presentation and study of both experimental and mathematical procedures; study of the recognized sources of error in psychological experiments and means of eliminating or measuring them; application of the standard Phi Gamma methods, using Urban's tables, to typical data, usually obtained by the student in his current laboratory work: discussion of the "psychometric function." Titchener's *Quantitative Manual,* Brown and Thompson's *Essentials of Mental Measurement,* and the professional journals are used for reference. A one-unit individual report is required. Prerequisites: Courses 51, 55, and 60 or 190.

3 units, winter quarter (COOVER) [Not given in 1925–26]

144. Psychology of Industrial Personnel. — Employment; health and safety; psychological tests as used in selection and training; job analysis; industrial unrest, *esprit de corps;* training of employees; payment plans; industrial relations. Course 51 recommended.

4 units, spring quarter (STRONG) MWF 8
Spring, 39

145. Problems in Industrial Personnel. — Detailed consideration of major problems of personnel management. Emphasis upon research methods. Prerequisite: Course 144.

4 units (STRONG) [Not given in 1925–26]

146. Vocational Tests.—Intensive study of tests and measurements used in selection and training of employees, in vocational guidance, and in indus-

try; studies of fatigue, monotony, labor turnover, efficiency, etc. Prerequisites: Psychology 51, and 60 or 190.
4 units (STRONG) [Not given in 1925–26]

151. Advertising.—Brief survey of marketing; consumer analysis; determination of appeals; selection of mediums; preparation of layouts; functions of advertising organizations; sample campaigns. Courses 51 and 152 recommended.
4 units, winter quarter (STRONG) MWF 8
Winter, 56

152. Selling.—General theory of influencing others, applied particularly to advertising and selling; preparation of sales interview; job specification of a salesman. Intended for students who expect to influence others in business, education, etc. Course 51 recommended.
4 units, autumn quarter (STRONG) MWF 8
Autumn, 53

153. Problems in Advertising and Selling.—Consideration of specific problems typical of those encountered in advertising and selling. Prerequisites: Courses 151 and 152.
4 units (STRONG) [Not given in 1925–26]

158. Social Psychology.—A survey course. A study of group behavior, social stimulation, and response to social stimulation; suggestion and the "mob mind," with a consideration of such experimental and factual material as may be available. Special attention will be given to the relation of psychology to the Social Sciences. Class experiments and reports. Prerequisite: Psychology 51.
3 units, spring quarter (FARNSWORTH) MWF 10
Spring, 39

160. Abnormal Psychology.—A systematic study of the symptomatology of nervous and mental diseases; the institutional care and treatment of the insane; and the applications of psychological aids in the diagnosis and treatment of mental disorders. Lectures, recitations, reports, and clinics. Prerequisite: Course 51 (or special permission).
4 units, winter and *summer quarters (STONE) MTThF 10
Winter, 36; summer, 20

161. Freudian Psychology.—A historical and systematic survey of the psychoanalytic movement in psychopathology; the technique of psychoanalysis; and the use of psychotherapy in psychology, education, hygiene, and medicine. Prerequisite: Course 160 (or special permission).
3 units, spring quarter (STONE) [Not given in 1925–26]

165. Educational Psychology, Introductory.—A general introductory course intended primarily for teachers and undergraduate students. Lectures, demonstrations, and experiments. Prerequisite: Course 51 or the equivalent.
6 units, autumn and *summer quarters (STONE, FARNSWORTH, FEARING)
Autumn, 27; summer, 20 Lec. MWF 11; Lab. MWF 1:05–4:05

170. Mental Deficiency and Delinquency.—A study of mental retardation and its relation to delinquency. Mental traits of the feebleminded; heredity; classification; psychological diagnosis. Prerequisite: Course 51.
3 units, summer quarter (MERRILL) [Not given in 1925–26]

172. Psychology and Treatment of Exceptional Children.—A study of bright and dull children. Prerequisite: Course 51.
3 units, summer quarter (MERRILL) MWF 9
Summer, 20

175. Psychical Research.—A library research course leading to a typewritten report on any phase of psychical research of special interest to the student. The more authoritative sources will be examined by the student. This course may be preparatory to research. No prerequisites; permission to register required.

Autumn, winter, and spring quarters (Coover) By arrangement
Autumn, 9; winter, 5; spring, 20

180. Psychical Research.—A research course offering opportunity for experimental attack upon problems in the field of psychical research for which the laboratory equipment is adequate. Registration by permission.

Autumn, winter, and spring quarters (Coover) [Not given in 1925–26]

190. Elementary Statistical Method.—A study will be made of the various kinds of statistical series and the properties of each. The purpose of the first part of the course will be to discover what constitutes the significant features of a body of data. Opportunity to obtain practice in the computation of the important constants of distributions will be given; also in the use of calculating machines and other aids to computation. The approach will be inductive, starting with measures and having as its object the discovery of the statistical resources which are available for determining the significance of data.

4 units, autumn and *summer quarters (Kelley, Eells) MTThF 8
Autumn, 39; summer, 56

191. Mental Tests.—An introductory course dealing with the principles and applications of intelligence tests and of methods of testing personality and character traits. Lectures and demonstrations. Prerequisite: General Psychology. A course in statistical method must accompany or precede.

5 units, autumn quarter (Terman) MTWThF 11
*summer quarter (Merrill) TThF 2:05–4:05
Autumn, 28; summer, 18

195. Suggestion.—A seminar. A study of the various phenomena which in the literature are comprehended under the term "suggestion"; the classification of these phenomena according to the psychological principles; the results of research; the relation of suggestion to the subconscious, dissociated, abnormal states of mind. Reading, reports, discussion, a one-unit individual typed report. Prerequisite: 18 or more units of psychology. Registration by permission.

3 units (Coover) [Not given in 1925–26]

196. Current German Psychology.—Considerable attention will be given to the psychology of Gestalt.

3 units, summer quarter (Duncker) MWF 11
Summer, 11

197. Modern Viewpoints in Psychology.—A general survey of the viewpoints represented in the writings of present-day psychologists. Lectures, discussion, and special reports. Prerequisites: Course 51 and advanced standing.

2 units, summer quarter, first half (Farnsworth) MTThF 9
Summer, 19

201. Motives.—Views of Hobbes, Adam Smith, Bentham, Mills, Bain, etc.; survey of present theories; motivation in education, selling, personnel work and political life; social control of motivation; application to economic theory. Open to qualified advanced students in psychology and economics.

3 units, spring quarter (Strong) [Not given in 1925–26]

202. History of Psychology.—A survey of the development of psychology from ancient to modern times. The various points of view which have been held regarding the mental life are considered, together with the outstanding men and publications. Lectures and class reports. A written report is required. Open to qualified graduates and to senior majors.
3 units, winter quarter (MILES) [Not given in 1925–26]

203. Experimental Psychology, Advanced.—Laboratory work with human subjects covering a variety of topics, including complex qualitative problems and quantitative investigations. The course is designed to acquaint students with psychological apparatus, instruments and means of measurement as well as to provide a first-hand opportunity for them to perform some experiments rather intensively. One lecture or conference with prescribed readings and two three-hour laboratory periods. Prerequisite: Psychology 51 and 55; Course 60 or 190 must accompany or precede.
3 units, spring quarter (MILES) MW 1:05–4:05, F 2:05–3:05
Spring, 2

205. Physiological Psychology of Action.—In general the conditions favoring and hindering mental and physical work are studied. Metabolic level, food, appetite, fasting, physical and mental fitness, sleep, fatigue, altitude and climatology, ventilation, drugs, and old age are some of the topics considered. The relation of these problems to industrial efficiency is examined. Lectures, demonstrations, class reports, and a written report. Open to qualified graduates and to senior majors.
3 units, spring quarter (MILES) MWF 9
Spring, 13

206. Psychology of Reading and Language.—The various investigations that have been made on the eye movements during reading are critically reviewed. An equipment for the photographic recording of eye movements is used in the work of the class, and the processes of obtaining meaning from the printed page and of expressing meaning in symbols are studied. Lectures, experiments, and written report. Open to qualified graduates.
3 units, summer quarter (MILES) MWF 9
Summer, 5

210. The Learning Process.—A laboratory course providing the data and the opportunity for a qualitative and quantitative study of the development of efficiency in various learning situations involving different levels of complexity in materials and mental processes. Special attention to the statistical treatment of results and to graphic presentation, analysis of processes, and the morphology of skill. One hour seminar for discussion and reports of reading, and two laboratory periods weekly. Prerequisites: Courses 51 and 55.
3 units, autumn and winter quarters (COOVER) Seminar F 1:05;
Autumn, 6; winter, 4 Lab. MW 1:05–4:05

215a. Educational Psychology, Advanced.—Original endowment; mental development; individual differences in relation to heredity, sex, and environment. Lectures and class reports. Prerequisite: Courses 51, 55 or 165, and 60 or 190.
4 units, winter quarter (TERMAN) MWF 11
Winter, 13

215b. Educational Psychology, Advanced.—A critical survey of the literature of learning, formal discipline, work and fatigue, with special reference to the school program. Lectures and class reports. Prerequisites: Courses 51, 55 or 165, and 60 or 190.
4 units, spring quarter (TERMAN) MWF 11
Spring, 10

220. Advanced Statistical Methods.—This is a continuation of Course 190 and will deal primarily with series of related measures. The statistical methods of analysis of correlated data and the means of combining several measures into total scores will be treated, with particular application to educational and mental test data and problems. Prerequisite: Course 190 or 60.
4 units, winter quarter (KELLEY, TRABUE) MTThF 8
Winter, 7

221. Advanced Statistical Methods.—This course is a continuation of Course 220. It deals especially with problems in multiple correlation and with the statistical treatment of known linear, skew, and categorical data. Course 220 is a prerequisite.
4 units, spring quarter (KELLEY) [Not given in 1925–26]

223. Interpretation and Construction of Educational Tests and Measurements.—This is continuation of Education 192, dealing in the main with the interpretation of test scores in a diagnostic manner. Methods for the utilization of various measures in educational and vocational guidance programs are indicated. Some attention is given to the methods of construction of educational tests. Education 190 and 192 and Psychology 225 or equivalents are presupposed.
2 units, winter quarter (KELLEY) TTh 10
Winter, 9

225. Intelligence Tests.—An introductory course dealing with the technique of intelligence testing, with emphasis upon Binet procedure. Prerequisites: Courses 51, and 60 or 190.
4 units, winter quarter (MERRILL) MTWTh 1:05–3:05
Winter, 18

226. Mental Test Practice.—The selection and use of mental tests, with laboratory practice and field work. Important types of tests will be subjected to experiment and critically evaluated. Prerequisites: Courses 60 or 190, 191 or 225, and one laboratory course.
4 units, spring quarter (MERRILL) MTWTh 1:05–3:05
Spring, 6

227. Seminar.—Problems in the grading and classification of school children. Prerequisites: Courses 60 or 190, and 191 or 225.
1 or 2 units, summer quarter (TERMAN) [Not given in 1925–26]

230. Association of Ideas.—A seminar. The purpose is to clarify the student's conceptions of the ways in which mental elements are connected or combined or fused. Topics covered include the English "school" of association psychology and its dominance of popular psychology today; results of laboratory research; modern formulations from experimental results; importance to psychology; bearing upon learning and school practice. Assigned reading, reports, discussion, and a one-unit individual typewritten report. Registration by permission.
3 units, autumn quarter (COOVER) [Not given in 1925–26]

231. Method of Experiment.—A seminar. An examination of scientific method and its applications to various types of research in experimental psychology; a study of typical researches; applications to present problems; inspection of statistical procedures appropriate to the various types of experimental procedures; consideration of criteria of vaildity of results. A one-unit typed report is required. Prerequisites: Courses 55 and 60 or 190. Registration by permission.
3 units, winter quarter (COOVER) Th 7:30–9:30 P.M.
Winter, 1

240. Advanced Problems in Animal Behavior.—An intensive study of the more technical problems and investigation in the field of congenital behavior, sensory functions, and the physiological aspects of the learning process. Prerequisites: Courses 130 and 131 (or special permission).
3 units, spring quarter (STONE) [Not given in 1925–26]

245. Psychological Clinic.—Field work in juvenile court, mental hygiene clinic, and public school.
Winter and spring quarters (MERRILL) By arrangement
Winter, 2; spring, 2

250. Experimental Problems.—A provision for individual laboratory study of some minor problem proposed by the student or suggested by the instructor. A minimum of eight hours per week in the laboratory and a typwritten report are required.
2 units, winter, spring, and summer quarters (MILES) By arrangement
Winter, 4; spring, 1; summer, 4

255. Mind and Body.—A seminar course. The problem of the mind-body relationship is first given a brief historical consideration. The psychological postulate of "psychophysical parellelism" is critically examined. The pertinent data of psychology, pathopsychology, and medical practice with mental disorders (including the aphasias) are collected and studied. The phenomena of hypnotism and the dissociation of personality are reviewed, and Freudian psychoanalysis is briefly but critically examined from the standpoint of physiological psychology. A one-unit individual typed report is required. Prerequisite: Course 51.
5 units, spring quarter (COOVER) MTh 1:05–3:05
Spring, 9

267. Mental Development.—Seminar course. A critical survey of the most important studies of infancy, childhood, adolescence, and senescence. Intended primarily for major students in psychology or education who are in the second or third year of graduate work. Alternates with Course 268.
2 units, winter and spring quarters (TERMAN) TTh 11
Winter, 11; spring, 9

268. Psychology of Endowment.—A seminar and thesis course. Tests of general intelligence, special abilities, character and personality; the psychology of genius; mental inheritance; race differences, etc. Intended primarily for major students of psychology or education who are in the second or third year of graduate work. Alternates with Course 267.
2 units, autumn, winter, and spring quarters (TERMAN) [Not given in 1925–26]

270. Psychometry.—Essentially a research course. Attention will be given to the analysis of mentality and to the measurement of interest, of special sensory capacity, and of certain specific habits and skills. The bearing upon problems of guidance will be stressed. Admission by consent of the instructor.
4 units (KELLEY) [Not given in 1925–26]

275. Seminar in Vocational Psychology.—Registration by permission.
Autumn and winter quarters (STRONG) By arrangement
Autumn, 6; winter, 9

280. Seminar in Educational Psychology.—Open to advanced graduate majors by permission.
2 units, autumn, winter, and spring quarters (TERMAN) Th 7:30–9:30 P.M.
Autumn, 13; winter, 11; spring, 8

285. Current Literature of Experimental Psychology.
1 unit, winter and spring quarters (MILES) W 4:05–5:05
Winter, 4; spring, 3

286. The Ph.D. Thesis.—Students in Education, Psychology, or other departments working upon Doctor's dissertations who desire assistance in connection with the definition and handling of statistical problems may enroll in this course upon approval of the instructor. The work is individual and adapted to the student's special problems. Each student is called upon to make a report each quarter upon statistical phases of his investigation.

This course is intended for the special help of Ph.D. students in Education, or in other departments, whose thesis involves statistical procedure, and is not intended to take the place of registration for research work with individual professors. Psychology students should register for such work under Course 290 below.

2 units, winter and spring quarters (KELLEY) W 8–10
Winter, 5; spring, 9

290. Research.

(DEPARTMENT FACULTY) By arrangement
Autumn, 9 (2 groups); winter, 7 (3 groups); spring, 7 (4 groups); summer, 3 (2 groups)

PUBLIC HEALTH NURSING

LOUIS S. OLSEN, Instructor in Public Health
[FLORA MAY FEARING, Instructor in Citizenship]
[FRANKLIN SMITH FEARING, Instructor in Psychology]
[MARGARET MULFORD LOTHROP, Instructor in Economics]

Public Health 1: Health Department Administration.—This course consists of lectures on the activities, organization and powers of public health departments, supplemented by laboratory and field work.

2 units, summer quarter (OLSEN) MW 1:05–2:05
Summer, 10

[Care of Dependents.—See Economics 103.]

[Quantitative Studies in Politics and Administration.—See Political Science 119*a*.]

[General Psychology.—See Psychology 51.]

ROMANIC LANGUAGES

OLIVER MARTIN JOHNSTON, CLIFFORD GILMORE ALLEN, AURELIO MACEDONIO ESPINOSA, Professors
JEAN-MARIE CARRÉ (University of Lyons), ARTHUR LESLIE OWEN (University of Kansas), Acting Professors (Summer Quarter)
†ALFRED COESTER, STANLEY ASTREDO SMITH, Associate Professors
FREDERICK ANDERSON, Assistant Professor
WILLIAM LEONARD SCHWARTZ, ERNEST HALL TEMPLIN, Instructors
ANGEL AGUERREVERE, MARGUERITE BILLARD, GEORGE LOUIS LAWRENCE, HELEN MARBURG, DANIEL JOSEPH O'DOOLEY, WALTER THOMAS PHILLIPS, EDA RAMELLI, JESSIE EDNA SMITH, M. RUTH STUCKY, NESTA MARY THOMPSON, MATTHEW UNDERWOOD WEIGHTMAN, GWLADYS LOUISE WILLIAMS, Assistants in Instruction

† Absent on leave, 1925–26.

The undergraduate courses in the Romanic Languages are planned so as to give students an intimate acquaintance with the modern forms of the languages spoken in the principal Neo-Latin countries. To this end systematic attention is paid to pronunciation, reading, syntax, and conversation. In the higher courses special emphasis is laid on the study of literature. In order to give students an opportunity to become familiar with the spoken idioms, the majority of the courses are conducted in the language which forms the object of study.

The department offers advanced courses leading to the degree of Master of Arts and Doctor of Philosophy. The library contains adequate material for graduate courses in French and Spanish literature and philology. The Dante collection is also adequate for graduate work in this subject. (For the conditions necessary to acquire the degree of Master of Arts or Doctor of Philosophy, see the *Graduate Study Bulletin.*)

The department also accepts candidates for certification as high-school teachers of French and Spanish in California and provides courses to meet the special needs of such candidates. Either French or Spanish may be selected as a major subject. In addition to the elementary course, which does not count as a part of the requirement, majors in French or Spanish must complete the following courses for the degree of Bachelor of Arts:

1. Second-year course (15 units);
2. Advanced Composition and Conversation (9 units);
3. Six courses in literature or philology in the major subject (2-unit courses counting as half-courses).

These six courses must include an outline course in the literature of the major subject (A140 for French majors and B140 for Spanish majors, or their equivalent). It is desirable that the outline course precede the other literary courses in the subject.

Major students must register each quarter for at least one course in the major subject. This provision is intended to prevent students from crowding major requirements into certain quarters and from registering as French or Spanish majors in other quarters without taking any work in the major subject.

The total number of units required for the degree of Bachelor of Arts will be approximately 43 or 44 units, exclusive of the elementary course.

The Teacher's Recommendation.—The requirements for the teacher's recommendation are the same as for the Bachelor's degree with the exception of the fact that the following courses must be included:

A80 and A200E for majors in French.
B80 and B200E for majors in Spanish.

A reading knowledge of Latin and German is highly desirable.

Some of the courses scheduled for the summer quarter extend through only one term of the quarter. Others extend through both terms, but credit will be granted for work done in either term.

First-year French and Spanish are given by competent instructors under the supervision of the Department Faculty, and a fee of $7.50 per quarter is charged. University credit is given for this work.

Students who are required to take French A3*a* or Spanish B3*a* during the autumn quarter may begin Second-year French or Spanish (A21 or B21) in the winter quarter.

Students who begin Second-year French or Spanish in the winter quarter will be admitted into advanced courses in French or Spanish upon completion of A22 or B22 with a grade of A in the spring quarter.

A. FRENCH

I. ELEMENTARY AND INTERMEDIATE COURSES

A1. Elementary French.—Training in pronunciation by means of phonetic symbols. Oral work. The elements of French grammar; the regular verb and the verbs *avoir* and *être;* Fraser and Squair, *French Grammar,* 26 lessons. Reading from Olmsted and Barton, *Elementary French Reader.*

5 units, autumn, *winter, and *summer quarters
(autumn, MARBURG, THOMPSON, O'DOOLEY) MTWThF 9, 11
(winter, BILLARD) MTWThF 11
(summer, MARBURG) MTWThF 11
Autumn, 118 (4 sections); winter, 21; summer, 18

A2. Elementary French (continued).—Oral work continued. Study of the irregular verbs. Fraser and Squair, *French Grammar,* to end of Part I. Reading from Olmsted and Barton, *Elementary French Reader.* Prerequisite: A1, or one year of high-school French.

5 units, winter and *spring quarters
(winter, O'DOOLEY, MARBURG) MTWThF 9, 11
(spring, O'DOOLEY) MTWThF 9
Winter, 103 (4 sections); spring, 26

A3. Elementary French (continued).—Thorough review of grammar. Oral work. Reading: About, *Le Roi des Montagnes.* Prerequisite: A2, or equivalent.

5 units, autumn and spring quarters
(autumn, O'DOOLEY); (spring, O'DOOLEY, MARBURG) MTWThF 9, 11
Autumn, 30; spring, 93 (3 sections)

A3a. Elementary French, Special Course.—Grammar and composition. Fraser and Squair, *French Grammar.*

Intended for two classes of students: (1) for those who are credited with one year and a half of high-school French; (2) for those who are technically entitled to enter Second-year French, but whose preparation is insufficient. (See the last two paragraphs of the general announcement above.)

3 units, autumn quarter (J. E. SMITH) MWF 9
Autumn, 28

A21. Second-Year French.—Grammatical review. Composition, reading: Vreeland and Koren, *French Composition;* Molière, L'Avare; Le Sage, *Gil Blas.* Course conducted as far as possible in French. Prerequisite: A3, or two years of high-school French.

5 units, autumn and *winter quarters
(autumn, SCHWARTZ, ANDERSON) MTWThF 9, 10
Autumn, 53 (2 sections); winter, 33 (winter, J. E. SMITH) MTWThF 9

A22. Second-Year French (continued).—Grammar and composition, reading: Marique and Gilson, *French Composition;* Marivaux, *Comédies;* Anatole France, *Livre de mon ami.* Conducted as far as possible in French. Prerequisite: A21, or three years of high-school French.

5 units, winter and *spring quarters (SCHWARTZ, ANDERSON) MTWThF 9, 10
Winter, 51 (2 sections); spring, 34 spring quarter (J. E. SMITH) MTWThF 9

A23. Second-Year French (continued).—Grammar and composition based on Daudet, *Le Nabab;* Lister's French Grammar. Reading: Balzac, *Curé de*

Tours; Curel, *La Nouvelle Idole.* Conducted in French. Prerequisite: A22, or equivalent.
5 units, spring quarter (Anderson, Schwartz) MTWThF 9, 10
Spring, 49 (2 sections)

A26. French Scientific Reading. — Intended for engineers. Prerequisite: A3.
3 units, autumn quarter (Weightman) MWF 11
Autumn, 35

A27. French Scientific Reading (continued).
3 units, winter quarter (Weightman) MWF 11
Winter, 35

A28. French Scientific Reading (continued).
3 units, spring quarter (Weightman) MWF 11
Spring, 20

A30. Directed Reading.—Prerequisite: A23. Readings and one conference period a week for oral reports. Enrollment limited, may not be repeated for credit.
1 or 2 units, autumn, *winter, and *spring quarters (Schwartz, O'Dooley, Billard, J. E. Smith) T 10, W 1:05
Autumn, 34 (3 sections); winter, 30 (4 sections); spring, 27 (3 sections)

A40. French Conversation.—Texts illustrating French life will be memorized to facilitate conversation in correct French. Prerequisite: A3, or equivalent.
2 units, autumn and *summer quarters
Autumn, 13; summer, 7 (autumn, Schwartz); (summer, Smith) MWF 11

A80. French Pronunciation.—Training in French pronunciation by means of practical phonetics. This course is of special interest to prospective teachers. Prerequisite: A3, or the equivalent.
3 units, winter quarter (Smith) MWF 3:05
Winter, 10

II. ADVANCED AND GRADUATE COURSES

A101. Commercial French.—Letter-writing and introduction to commercial vocabulary: Malakis, *Le Français du commerce.* Prerequisite: A23 or equivalent.
3 units (Schwartz) [Not given in 1925–26]

A111. Third-Year French Composition and Conversation.—Composition and dictation. Lazare, *French Composition.* Conducted in French. Prerequisite: A23, or four years of high-school French.
3 units, autumn and *summer quarters (autumn, Schwartz, Smith) MWF 8, 11;
Autumn, 45 (2 sections); summer, 6 (summer, Smith) TWF 10

A112. Third-Year French Composition (continued).—Clavel, *Terres et gens de France.* Prerequisite: A111, or equivalent.
3 units, winter quarter (Schwartz, Anderson) MWF 8, 11
Winter, 30 (2 sections)

A113. Third-Year French Composition (continued).—Armstrong, *Syntax of the French Verb;* Fish, *French Commercial Correspondence.* Prerequisite: A112, or equivalent.
3 units, spring quarter (Schwartz) MWF 8
Spring, 18

A121. Fourth-Year French Composition.—Translation of connected English prose into French. Original composition. Dictation. Prerequisite: A113.
3 units, autumn quarter (Smith) MWF 10
Autumn, 4

A122. Fourth-Year French Composition (continued).
3 units, winter quarter (SMITH) MWF 10
Winter, 4

A123. Fourth-Year French Composition (continued).
3 units (SMITH) [Not given in 1925–26]

A130. French Classics. — Reading in class of masterpieces of French literature. Prerequisite: A23, or equivalent.
3 units (SMITH) [Not given in 1925–26]

A131. Renan.—Reading and interpretation of the *Souvenirs d'Enfance et de Jeunesse* and selections from his other works.
2 units (ANDERSON) [Not given in 1925–26]

A132. Rousseau.—Reading and interpretation of selections from Jean Jacques Rousseau.
2 units (ANDERSON) [Not given in 1925–26]

A133. Mme de Staël.—*De l'Allemagne,* reading and interpretation.
2 units, autumn quarter (ANDERSON) TTh 11
Autumn, 18

A134. Taine.—Reading and discussion of V. Giraud's *Pages choisies de Taine.*
2 units (ANDERSON) [Not given in 1925–26]

A135. Classical French Moralists.
2 units, spring and summer quarters (ANDERSON, SMITH) TTh 9
Spring, 13; summer, 1

A140. Outline Course in the History of French Literature.—Strachey: *Landmarks in French Literature.* Vreeland and Michaud: *Anthology of French Prose and Poetry.* Outside reading. Conducted in English. Prerequisite: A23, or the equivalent.
5 units, autumn quarter (ANDERSON) MTWThF 9
Autumn, 38

A141. The French Drama.—Lectures on the development of the French drama, with special emphasis on the nineteenth century. Outside reading and reports. Prerequisite: A23, or equivalent.
3 units (SMITH) [Not given in 1925–26]

A142. The French Novel.—Lectures in French on the history of the novel in France. Emphasis will be placed on the movements of the nineteenth century. Prerequisite: A23, or equivalent.
3 units (SCHWARTZ) [Not given in 1925–26]

A143. French Lyric Poetry.—Course conducted in French. Preliminary study of medieval poetical forms, leading to extensive reading in class of nineteenth-century poets. Intended to familiarize students with the best-known masterpieces. Textbooks: *Oxford Book of French Verse,* Henning's *French Lyrics of the Nineteenth Century.* Prerequisite: A23, or equivalent.
4 units, spring and summer quarters (SCHWARTZ) TWThF 11
Spring, 16; summer, 3

A144. Civilisation française.
1 unit, summer quarter (CARRÉ) Th 10
Summer, 8

A145. French Historians.—Lectures on French historians of the nineteenth century. Reading of selections. Conducted in French. Prerequisite: A23, or its equivalent.
3 units, spring quarter (ANDERSON) By arrangement
Spring, 1

A148. A travers le symbolisme avec Verlaine et Rimbaud.
1 unit, summer quarter (Carré) Th 10
Summer, 7

A150. Hugo, his period, life, and works. Prerequisite: A23, or the equivalent.
2 units, winter quarter (Schwartz) TTh 10
Winter, 14

A151. Molière.—The complete works will be read, with special attention to the characters in the plays. Readings and reports. Prerequisite: A23, or equivalent.
4 units (Schwartz) [Not given in 1925–26]

A152. Literary Criticism.—Lectures on the history of literary criticism in France. A careful study of Madame de Staël; *De l'Allemagne,* and various works by Schérer, Taine, and Renan. Prerequisite: A23, or equivalent.
4 units (Anderson) [Not given in 1925–26]

A161. French Literature in the Seventeenth Century.—Lectures on the formation of the classic ideal in France and on the main movements, authors, and works of the classic age. Outside reading and reports. Conducted in French. Prerequisite: A23, or the equivalent.
3 units, winter quarter (Smith) MWF 11
Winter, 11

A162. French Literature in the Eighteenth Century.—A study of the main ideas and tendencies of the period as illustrated by the lives and works of its most important authors. Outside reading and reports. Conducted in French. Prerequisite: A23, or the equivalent.
3 units (Smith) [Not given in 1925–26]

A163. The Romantic Movement in France.—A study of the main features of romanticism as manifested in the lives and works of the forerunners and of the most important representatives of the French romantic movement. Lectures in French. Outside reading. Class discussions. Prerequisite: A161, or equivalent.
3 units (Smith) [Not given in 1925–26]

A164. Sixteenth Century.—Reading and interpretation of representative selections.
3 units, autumn quarter (Smith) MWF 3:05
Autumn, 5

A165. La littérature française du XIX^e siècle dans ses rapports avec les littératures anglo-saxonnes.
3 units, summer quarter (Carré) TWTh 9
Summer, 20

A170. Corneille.
3 units, winter quarter (Johnston) Th 2:05–4:05
Winter, 13

A200. Problems of Teaching French.—Practice in the use of the phonetic method as a means of teaching French pronunciation, review of French grammar, lectures on methods of teaching French, pedagogical bibliography, and suggestions regarding available textbooks. Practice teaching.
3 units, autumn quarter (Johnston) MWF 3:05
2 units, *summer quarter (first half) (Smith) TWF 3:05
Autumn, 8; summer, 6

III. PRIMARILY FOR GRADUATES

A201. Introduction to the Study of Old French.—Reading and interpretation of Old French texts selected from Bartsch-Wiese, *Chrestomathie de*

l'Ancien Français, with a study of Old French Phonology and Morphology.
3 units, winter and *summer quarters (winter, JOHNSTON; summer, SMITH)
Winter, 4; summer, 6 MWF 2:05

A202. French Historical Grammar.—Lectures on Old French Phonology and Morphology.
3 units (JOHNSTON) [Not given in 1925–26]

A203. French Historical Syntax.—The most important phases of modern French syntax will be studied from a historical point of view. This course is intended primarily for teachers.
2 units (JOHNSTON) [Not given in 1925–26]

A204. Old French Literature.—French literature from the beginnings to the fifteenth century, with emphasis on the literary and social traits.
3 units (JOHNSTON) [Not given in 1925–26]

A205. French Arthurian Romances.—Lectures on the romances of the Round Table, the legend of the Holy Grail, and the legend of Tristan and Iseult. Outside reading and reports.
3 units, spring quarter (JOHNSTON)
Spring, 7 MWF 8

A240. Graduate Thesis.
3 to 5 units per quarter
Winter, 1; summer, 5

A250. French Seminary.—Floire et Blancheflor.
1 unit, winter quarter (JOHNSTON)
Winter, 2 W 3:05

A251. French Seminary.—The Old French Epic.
3 units (JOHNSTON) [Not given in 1925–26]

A252. French Seminary.—Travaux d'histoire littéraire.
3 units, summer quarter (CARRÉ)
Summer, 7 T 2:05–4:05

B. SPANISH

I. ELEMENTARY AND INTERMEDIATE COURSES

B1. Elementary Spanish.—The elements of grammar, composition and conversation. Texts: Espinosa and Allen, *Beginning Spanish,* Lessons I–XXV; Espinosa, *First Spanish Reader,* I.
5 units, autumn, *winter, and *summer quarters (autumn, AGUERREVERE, PHILLIPS, RAMELLI, TEMPLIN, WILLIAMS) MTWThF 8, 9, 10, 11, 1:05
(winter, PHILLIPS, STUCKY) MTWThF 11
(summer, LAWRENCE) MTWThF 8
Autumn, 155 (5 sections); winter, 39 (2 sections); summer, 18

B2. Elementary Spanish (continued).—Texts: Espinosa and Allen, *Beginning Spanish,* Lessons XXVI–XLVII; Espinosa, *First Spanish Reader,* II.
5 units, winter and *spring quarters (winter, AGUERREVERE, RAMELLI, TEMPLIN, WILLIAMS) MTWThF 8, 9, 10, 11, 1:05
Winter, 133 (5 sections); spring, 35 (spring, PHILLIPS) MTWThF 9

B3. Elementary Spanish (continued).—Texts: Espinosa and Allen, *Beginning Spanish,* Lessons XLVIII–LXVIII; Quintero, *La Muela del Rey Farfán;* Allen, *Fábulas y Cuentos.*
5 units, autumn and spring quarters (autumn, AGUERREVERE);
(spring, AGUERREVERE, WILLIAMS) MTWThF 8, 9, 10, 11, 1:05
Autumn, 37; spring, 107 (3 sections)

B3a. Elementary Spanish, Special Course.—Grammar and composition. A rapid review of Espinosa and Allen, *Beginning Spanish,* Lessons VII–LX.

Intended for two classes of students: (1) for those who are credited with one year and a half of high-school Spanish; (2) for those who are technically entitled to enter Second-year Spanish, but whose preparation is insufficient. (See the last two paragraphs of the general announcement above.)

3 units, autumn quarter (TEMPLIN) MWF 9
Autumn, 31

B21. Second-Year Spanish.—Review of grammar, with abundant practice in conversation and composition. Reading aloud in Spanish, with careful drill in pronunciation. Reading and interpretation of Spanish texts, with a minimum of translation. Conversation in Spanish based on the texts read. Bimonthly tests in translation and written reproduction of Spanish texts or short stories. Conducted mainly in Spanish.

Composition and conversation (TTh). Text: Espinosa-Allen, *Elementary Spanish Grammar,* Lessons XV–XLIX.

Reading, pronunciation, and conversation (MWF). Texts: Benavente, *El Príncipe que todo lo aprendió en los Libros;* Palacio Valdés, *La Hermana San Sulpicio.*

5 units, autumn and *winter quarters (autumn, ALLEN, TEMPLIN) MTWThF 9, 11;
Autumn, 110 (4 sections); winter, 32 (winter, TEMPLIN) MTWThF 11

B22. Second-Year Spanish (continued).—Composition and conversation (TTh). Texts: Espinosa, *Elementary Spanish Composition and Conversation.* For grammar review and reference, Espinosa-Allen, *Elementary Spanish Grammar.* Original exercises in Spanish composition. Final examinations on all regular and irregular verbs and the use of the subjunctive.

Reading, pronunciation, and conversation (MWF). Texts: Martínez Sierra, *Teatro de Ensueño;* Pardo Bazán, *El Tesoro de Gastón.*

5 units, winter and *spring quarters
(winter, ALLEN, TEMPLIN) MTWThF 9, 11; (spring, TEMPLIN) MTWThF 9
Winter, 82 (2 sections); spring, 22

B23. Second-Year Spanish (continued).—Composition and conversation (TTh). Oral drill in conversation and the mastery of a correct pronunciation. Short stories, and original compositions. Advanced Spanish grammar. Text: Seneca, *Spanish Composition.*

Reading and interpretation of Spanish texts (MWF). Texts: Martínez Sierra, *Canción de Cuna;* Becquer, *Legends, Tales, and Poems.*

5 units, spring quarter (ALLEN, WILLIAMS) MTWThF 9, 11
Spring, 61 (2 sections)

B26. Spanish Scientific Reading.—Intended for engineers. Prerequisite: B3.

3 units, autumn quarter (PHILLIPS) MWF 11
Autumn, 45

B27. Spanish Scientific Reading (continued).

3 units, winter quarter (TEMPLIN) MWF 11
Winter, 33

B28. Spanish Scientific Reading (continued).

3 units, spring quarter (TEMPLIN) MWF 11
Spring, 24

B30. Directed Reading.—Prerequisite: B23. Readings and one conference period a week for oral reports. Enrollment limited, may not be repeated for credit.

1 or 2 units, autumn, winter, and spring quarters (WILLIAMS) T 1:05, W 4:05
Autumn, 11; winter, 27; spring, 60

B40. Spanish Conversation.—Easy Spanish stories and exercises. Prerequisite: B3, or equivalent.
2 units, summer quarter, first half (ESPINOSA) [Not given in 1925–26]

B80. Spanish Pronunciation.—Lectures and practical exercises in the elements of Spanish pronunciation. Open to all students of Spanish. This course should be taken by Spanish majors in the first year.
2 units, autumn and summer quarters (ESPINOSA) TTh 10
Autumn, 46; summer, 28

II. ADVANCED AND GRADUATE COURSES

B101. Commercial Spanish.—Letter writing and introduction to commercial practice. Prerequisite: B23. (Note: Students electing B101 are expected to take B102.)
3 units (COESTER) [Not given in 1925–26]

B102. Commercial Spanish.—Letter writing continued. Study of commercial documents. Writing of advertisements and circular letters. Prerequisite: B101, or equivalent.
3 units (COESTER) [Not given in 1925–26]

B111. Advanced Spanish Composition and Conversation.—Review of grammar, with reading and interpretation of literary texts. Oral and written reproduction of short stories and literary material. Original exercises in composition. Prerequisites: Courses B21, B22, B23.
3 units, autumn quarter (ESPINOSA) MWF 9, 11
Autumn, 37 (2 sections)

B112. Advanced Spanish Composition and Conversation (continued).—Prerequisite: B111.
3 units, winter quarter (ESPINOSA) MWF 9, 11
Winter, 48 (2 sections)

B113. Advanced Spanish Composition and Conversation (continued).—Translation into Spanish of select English prose. Prerequisite: B112.
3 units, spring quarter (TEMPLIN) MWF 11
Spring, 35

B121. Curso de composición y estilo.—En este curso se estudian algunas obras literarias en prosa para modelos de estilo. Composiciones originales cada semana. Gramática de referencia: Bello-Cuervo, *Gramática de la Lengua Castellana.* Prerequisite: B113.
3 units (ESPINOSA) [Not given in 1925–26]

B122. Curso de composición y estilo (continuación).
3 units (ESPINOSA) [Not given in 1925–26]

B123. Curso de composición y estilo (continuación).
3 units (ESPINOSA) [Not given in 1925–26]

B130. Spanish Classics.—A study of the principal authors of the classical period. Representative texts will be read of Cervantes, Lope de Vega, Calderón, Alarcón, Tirso de Molina, as well as selections from Ford's *A Spanish Anthology.* Open to students who have completed Courses B21, B22, B23, or their equivalents.
4 units, autumn quarter (ALLEN) MTWF 11
Autumn, 23

B138. Modern Spanish Dramatists.—A study of Galdós, Benavente, Martínez Sierra, and others. Lectures in English with assigned readings in English or Spanish. Open to juniors and seniors in all departments.
2 units (ESPINOSA) [Not given in 1925–26]

B140. Spanish Literature.—Outline course. Fitz-Maurice Kelly: *Historia de la literatura española.* Lectures and recitations. Prerequisite: B130.
3 or 5 units, winter quarter (ALLEN) MWF 2:05
Winter, 24

B141. Teatro Español Contemporáneo.—(*a*) Breve resumen de la historia del teatro español en el siglo XIX: Rivas, Gutiérrez, Zorilla, Bretón de los Herreros, Ayala, Echegaray. (*b*) Estudio de los dramáticos contemporáneos, con atención especial a Galdós, Jacinto Benavente, los Quinteros, Eduardo Marquina, y Martínez Sierra. Prerequisites: B21, B22, B23, or their equivalents.
3 or 5 units, winter and *summer quarters (ESPINOSA) MWF 10
Winter, 21; summer, 14

B142. Modern Spanish Novel.—A study of the modern Spanish novel and its relation to the development of the novel in France and other European countries. Lectures and collateral readings. Prerequisites: B21, B22, B23, or their equivalents.
3 units, autumn quarter (ALLEN) MWF 2:05
Autumn, 15

B143. Early Spanish Lyric Poetry.—A study of the various schools of lyric poets, as the Galacian, the Italian, the National, etc. Prerequisite: B130.
3 units, spring quarter (ALLEN) MWF 2:05
Spring, 15

B144. Modern Spanish Lyrics.—Prerequisites: B21, B22, B23, or their equivalents.
3 units (ALLEN) [Not given in 1925–26]

B147. La España de Hoy.—Conferencias con proyecciónes. (Illustrated lectures.) Open to all students.
1 unit, summer quarter (ESPINOSA) Th 3:05
Summer, 15

B148. Life and Works of Cervantes.—Lectures and readings from the *Don Quijote* and *Novelas ejemplares.* A general course for juniors and seniors.
2½ units, summer quarter (OWEN) MTWThF 11
Summer, 10

B153. Spanish-American Literature.—General outline. The writings of Spanish Americans will be studied from the point of view of the nationality of the writers and as the product of differing political, social, and geographic conditions. Prerequisite: B23.
3 units (COESTER) [Not given in 1925–26]

B154. Argentine Literature.—The aim of this course is to acquaint the student with the history and mental characteristics of the Argentines through the medium of their own literary productions. Prerequisite: B23.
3 units (COESTER) [Not given in 1925–26]

B155. The Modernista Movement in America and Spain.—Rubén Darío, Gutiérrez Nájera, Silva, Chocano, and their influence on Spanish lyric poets since 1898. Prerequisite: B111, or equivalent.
3 units (COESTER) [Not given in 1925–26]

B162. Spanish Literature in the Eighteenth Century.
3 units, spring quarter (ALLEN) MWF 11
Spring, 18

B188. Fonética Española.—Conferencias y ejercicios prácticos. Navarro Tomás, *Manual de Pronunciación Española.*
2 units (ESPINOSA) [Not given in 1925–26]

B200. Problems of Teaching Spanish.—A consideration of the important questions of Spanish pronunciation, grammar, reading, and literary interpretations, together with a discussion of the general questions of methods of teaching as applied to the teaching of elementary and advanced Spanish. Pedagogical bibliography and school texts. Practice teaching.
2 units, summer quarter, first half (Espinosa) TTh 1:05
Summer, 21

III. PRIMARILY FOR GRADUATES

B201. Introduction to the Study of Old Spanish.—Lectures on Old Spanish Phonology and Morphology, with linguistic exercises based on *El Cantar de mío Cid.* Ford, *Old Spanish Readings.*
3 units, autumn quarter (Espinosa) autumn, MWF 10
2½ units, *summer quarter, first half (Owen) summer, MTWThF 8
Autumn, 9; summer, 7

B202. Spanish Historical Grammar.—Lectures and study of Old Spanish texts.
3 units, winter quarter (Espinosa) TTh 10
Winter, 5

B204. Old Spanish Literature.—Spanish literature from the earliest times to the beginning of the fifteenth century. Lectures, reading of texts, and assigned topics.
3 units (Allen) [Not given in 1925–26]

B241. Origins of Spanish Drama.—A history of the drama from the earliest times to its full development with Lope de Vega. Lectures and collateral reading.
3 units (Allen) [Not given in 1925–26]

B240. Graduate Thesis.
3 to 5 units per quarter
Autumn, 4 (2 groups); winter, 2; spring, 2

B250. Spanish Seminary.—Old Spanish Ballads. Lectures and investigations on special topics.
3 units, winter quarter (Espinosa) By arrangement
Winter, 3

B251. Calderón.—Lectures and assigned topics.
3 units (Allen) [Not given in 1925–26]

B252. Lope de Vega.—Lectures and assigned topics.
3 units (Allen) [Not given in 1925–26]

B253. The Classical Dramatists.—Tirso de Molina, Ruiz de Alarcón, Rojas Zorrilla, and Moreto.
3 units (Allen) [Not given in 1925–26]

B254. Cervantes.—Lectures and assigned topics.
3 units, winter quarter (Allen) T 2:05–4:05
Winter, 8

C. ITALIAN

I. ELEMENTARY AND INTERMEDIATE COURSES

C1. Elementary Italian.—Wilkins, *First Italian Book;* Wilkins and Marinoni, *L'Italia.*
5 units, autumn quarter (J. E. Smith) MTWThF 8
Autumn, 15

C2. Elementary Italian (continued).—Grandgent's *Italian Grammar*. Conversation. Wilkins and Altrocchi, *Italian Short Stories*. Goggio, *Duc Commedie Moderne*. Prerequisite: C1, or equivalent.
5 units, winter quarter (J. E. Smith) MTWThF 8
Winter, 6

C3. Elementary Italian (continued).—Review of grammar. Composition and conversation. Goldoni, *La Locandiera*. Manzoni, *I Promessi Sposi* (edit. Geddes and Wilkins). Prerequisite: C2, or equivalent.
5 units, spring quarter (J. E. Smith) MTWThF 8
Spring, 6

C21. Second-Year Italian.—Review of grammar. Composition and conversation. Reading of selected prose and poetry of the nineteenth and twentieth centuries, with a minimum of translation and particular attention to pronunciation. Collateral reading and reports. Prerequisite: C3, or equivalent.
3 units, autumn quarter (Smith) MWF 2:05
Autumn, 8

C22. Second-Year Italian (continued).—Prerequisite: C21, or equivalent.
3 units, winter quarter (Smith) MWF 2:05
Winter, 6

C23. Second-Year Italian (continued).—Prerequisite: C22, or equivalent.
3 units, spring quarter (Anderson) MWF 2:05
Spring, 4

C30. Directed Reading.
2 units, summer quarter (Smith) By arrangement
Summer, 1

II. ADVANCED AND GRADUATE COURSES

C111. Third-Year Italian Composition.
3 units, autumn and spring quarters (Smith, Anderson) By arrangement
Autumn, 1; spring, 1

C140. Lectures on Italian Literature (in English).—Lectures on twelve Italian writers. Reading of their works in translation. No prerequisites.
2 units (Anderson) [Not given in 1925–26]

C150. Dante and the *Divine Comedy* (in English).—Reading and interpretation of the *Divine Comedy* (in translation), lectures on Dante and the *Divine Comedy*, and the principal problems of medieval life and thought reflected in the poem. Outside reading and reports. Open to juniors and seniors in all departments.
3 units, spring quarter (Johnston) MWF 10
Spring, 13

C151. Advanced Italian.—Dante, *La Divina Commedia*. Study and interpretation of the text; discussion of the literary problems of the poem.
3 units (Johnston) [Not given in 1925–26]

C152. Advanced Italian (continued).
3 units (Johnston) [Not given in 1925–26]

C153. Advanced Italian (continued).
3 units (Johnston) [Not given in 1925–26]

C170. Petrarch and Boccaccio.—Lectures. Reading and interpretation of selections from their works. D'Ancona e Bacci, *Manuale della letteratura italiana*, Vol. I.
3 units, autumn quarter (Johnston) MWF 3:05
Autumn, 5

C171. Italian Classics of the Fifteenth and Sixteenth Centuries.—Reading and interpretation of representative selections.
2 units (SMITH) [Not given in 1925–26]

C201. Introduction to Old Italian.
2 units, autumn quarter (JOHNSTON) By arrangement
Autumn, 1

D. PORTUGUESE

D1. Elementary Portuguese.—Drill on pronunciation. Elements of grammar. Reading of easy texts.
5 units, autumn quarter [Not given in 1925–26]

D2. Elementary Portuguese (continued).—Grammar. Composition. Conversation. Reading. Prerequisite: D1, or equivalent.
5 units, winter quarter [Not given in 1925–26]

D3. Elementary Portuguese (continued).—Prerequisite: D2, or equivalent.
5 units, spring quarter [Not given in 1925–26]

E. GENERAL ROMANCE PHILOLOGY

PRIMARILY FOR GRADUATES

E201. Phonetics.—Lectures on General Phonetics and on the principles of linguistic change, with exercises based on the most familiar ancient and modern languages.
3 units, spring quarter (ANDERSON) MF 3:05
Spring, 3

E202. The Romantic Movement.—Lectures in English giving a comparative view of romanticism in French, Spanish, and Spanish-American literatures; assigned readings in English, French, or Spanish to meet the needs of the student. Open to graduates and undergraduates.
3 units (COESTER) [Not given in 1925–26]

E205. Bibliography and Methods of Romance Philology.—A brief description of the field of Romance Philology and of the principal books which deal with it. Discussion of the technique of philological studies.
4 units, winter quarter (ANDERSON) TWThF 1:05
Winter, 3

E210. Introduction to the Study of Old Provençal.—Reading of selected passages from Appel's *Provenzalische Chrestomathie,* with a study of Old Provençal Phonology and Morphology.
3 units (JOHNSTON) [Not given in 1925–26]

E211. Romance Versification.—The fundamental principles of Romance verse structure, with particular attention to French and Spanish, lectures and practical exercises.
3 units, autumn quarter (ESPINOSA) [Not given in 1925–26]

E212. Seminary in Versification.
3 units, autumn quarter (ESPINOSA) T 2:05–4:05
Autumn, 4

E220. Vulgar Latin and Introduction to Romance Philology.—The phonology and morphology of Vulgar Latin: a study of Vulgar Latin texts of the sixth, seventh, and eighth centuries, showing the development of Latin into Romance, especially Spanish, French, and Italian.
3 units (ESPINOSA) [Not given in 1925–26]

E221. Petronius. [See Course B138 in the Department of Classical Literature.]

F. GENERAL COURSES

FOR UNDERGRADUATES

(These courses are given in English. A reading knowledge of French is desirable but not required. Prerequisite: a course in European History.)

F1. French Civilization.—The Foundations and the Middle Ages.
2 units, autumn quarter (GUÉRARD) TTh 9
Autumn, 22

F2. French Civilization.—The Classical Age.
2 units, winter quarter (GUÉRARD) TTh 9
Winter, 22

F3. French Civilization.—The nineteenth and twentieth centuries.
2 units, spring quarter (GUÉRARD) TTh 9
Spring, 21

SLAVIC

HENRY LANZ, Instructor
DAVID L. ZYVE, Assistant in Instruction

SLAVIC LITERATURE

(The following courses do not require a knowledge of any language other than English.)

C1. Slavic Literature.—It is the object of this course to give a brief account of the folklore and literature of Slavic nations such as Bohemia, Servia, Bulgaria, and Poland, in connection with their history and their religious development. Outside reading and reports.
2 units, spring and summer quarters (LANZ) TTh 9
Spring, 39; summer, 24

C2. History of Russian Literature.—The development of literature in Russia since the early Biliny period to the death of Gogol (1852). Special attention will be given throughout to the relations of Russian literature to social and political conditions, philosophy, and religion. Lectures and reading.
3 units, autumn quarter (LANZ) MWF 11
Autumn, 18

C3. History of Russian Literature (continuation of C2).—The modern Russian literature, covering the works of Turgenev, Goncharov, Dostoievsky, Tolstoy, and others. Mutual dependence between Russia and West-European literatures will be particularly emphasized.
3 units, summer quarter MWF 11
Summer, 18

C100. Leo Tolstoy.—His life and work.
2 units, autumn quarter (LANZ) TTh 11
Autumn, 20

C101. Theodore Dostoievsky.—His life and work.
2 units, spring quarter TTh 11
Spring, 21

C102. Russian Art.—This course is a systematic attempt to explain the development, the underlying principles, and the experimental technique of Russian art in its four principal divisions: architecture, painting, sculpture, and music. The problems of stage presentation will be discussed in connection with modern developments in Russian opera. Special attention is paid to modern art, the study of which is greatly facilitated by the excellent art collection now in possession of the Hoover War Library. The course is conducted with the use of lantern slides.
1 unit, spring and summer quarters (LANZ) W 1:05
Spring, 32; summer, 15

SLAVIC LANGUAGES

A1. Elementary Russian.—It is the object of this course to put the students in possession of the elements of the Russian language. Beginning with a study of the alphabet, it covers the course in morphology, syntax, simple conversation, and reading of the easy Russian texts (short stories of Leo Tolstoy). Bondar, *Simplified Russian Method.*
4 units, autumn quarter (LANZ) MTThF 8
Autumn, 5

A2. Elementary Russian (continued).—The study of the aspects of the verbs and advanced practice in conversation and reading.
4 units, winter quarter (ZYVE) MTThF 8
Winter, 2

A3. Elementary Russian (continued).—Thorough review of grammar; reading and conversation (Bondar).
4 units, spring quarter (LANZ) MTThF 8
Spring, 2

A4. Commercial Russian.—The object of this course is merely practical; it is intended to put the students in possession of the commercial vocabulary and make them able to transact business in Russian language. Special attention will be given to the composition of business letters. Prerequisites: Russian A1, A2, A3.
4 units, summer quarter (LANZ) MTThF 8
Summer, 3

A5. Individual Work.—Translation of documents in the Hoover collection.
(ZYVE) By arrangement
Winter, 1

A6. Seminar
1 unit, summer quarter (LANZ) By arrangement
Summer, 1

A21. Second-Year Russian.—Reading of Pushkin and Turgenev. Practice in conversation and composition on the basis of the material read. Forbes, *Russian Grammar.*
3 units, autumn quarter (LANZ) MWF 9
Autumn, 4

A22. Second-Year Russian.—Chekhov, *Stories.*
3 units, winter quarter (ZYVE) MWF 9
Winter, 3

A23. Second-Year Russian.—Reading of modern prose and poetry.
3 units, spring quarter (LANZ) [Not given in 1925–26]

A100. Individual Work.
2 to 3 units, spring quarter By arrangement
Spring, 5

A131. Third-Year Russian.—Individual work.
3 units, autumn quarter. (LANZ) [Not given in 1925–26]

A132. Third-Year Russian.—Individual work.
3 units, winter quarter (LANZ) [Not given in 1925–26]

A133. Third-Year Russian.—Individual work.
3 units, spring quarter (LANZ) [Not given in 1925–26]

SOCIAL SCIENCES

SCHOOL OF SOCIAL SCIENCES

EXECUTIVE COMMITTEE—PROFESSORS H. W. STUART, TERMAN, TREAT, WEST, and WILDMAN (*Chairman*)

The School of Social Sciences has been formed (*a*) to facilitate the work of students who desire to study in several related fields without meeting the requirements for a degree in any one department; (*b*) to afford a convenient organization for the conduct of courses in subjects which do not lie wholly within the scope of any particular department; (*c*) to make possible a closer correlation of the work of the several departments included in the School.

The faculty includes all members of the departments of Economics, History, Philosophy, and Political Science, and the instructors in Citizenship, and Journalism, together with certain professors chosen from the departments of Education, Food Research, Psychology, Law, Language, and Literature, who offer courses of instruction in subjects related to the Social Sciences.

UNDERGRADUATES

Major Students.—In order to become a major student in the School of Social Sciences one must have obtained 90 units of university credit with a grade-point average of 1.5.

For the degree of Bachelor of Arts in this School 80 units are required in courses offered by the departments of Economics, History, Philosophy, and Political Science, together with the related courses offered in the other departments mentioned above. A part of this requirement will, under existing regulations, be met while the student is in the Lower Division.

The following courses of study (described in the announcements of the several departments in which they are offered) are specifically required for graduation in the School:

Economics 1 (Elements)	5 units
Economics 2 (Sociology)	6 units
History 10, 11, and 12 (European) or History 16 and 17 (English)	9 units
Philosophy 2 (Ethics)	5 units
Political Science 1 (Introduction)	5 units
Psychology 51 (General Psychology)	5 units
Statistical Methods	4 units
Total	39 units

(The requirement in statistical methods may be satisfied by Economics 6 [5 units], Education 190 [4 units], or Psychology 60 [5 units]. The modern-language requirements of the Lower Division must be satisfied as early as possible by all major students in the School who enter from other institutions.)

GRADUATE STUDENTS

Graduate students who have completed the undergraduate requirements of the School of Social Sciences or of any one of the four constituent departments, or an approximate equivalent of these, may be enrolled in the School as major students and may become candidates for the degree of Master of Arts or Doctor of Philosophy. Graduates of a constituent department or of another institution must, however, have completed the specific undergraduate requirements of the School before an application for candidacy for an advanced degree can be approved. Candidates for these degrees shall comply with all the general requirements of the University specified for the degree sought.

The primary function of the School is to assist students in the investigation of problems which may not admit of satisfactory treatment from the point of view of any one of the several social sciences. Accordingly, only such graduate students as are looking forward to the preparation of a thesis or dissertation upon a problem of the kind in question will be enrolled as major students in the School or approved as candidates for advanced degrees. Enrollment will be made with the chairman of the Executive Committee. Continuance of a graduate student in the School will depend upon the approval of a special standing committee consisting in each case of the Adviser of Graduate Students and a representative designated by each department of the School, constituent or allied, whose province, in the judgment of the chairman of the Executive Committee, the proposed problem more directly touches. This special committee shall have a general oversight of the student's entire work. It shall pass upon the competence of the candidate's knowledge of French and German and upon the program of studies to be submitted to the Committee on Graduate Study in connection with the application for candidacy for the advanced degree. Application for candidacy must have the final approval of the chairman of the Executive Committee of the School. The completed program of studies will constitute a "major in Social Sciences" for the degree of Doctor of Philosophy. In view of the composite character of this major, the School will regularly recommend to the Committee on Graduate Study in behalf of its candidates for the doctorate that the normal requirement of a specified minor subject, or subjects, be waived. Such candidates, before their primary oral examination for the degree, must pass written examinations of a comprehensive character in the subjects included in the specific undergraduate requirements.

DIVISION OF JOURNALISM

EVERETT WALLACE SMITH, BUFORD O. BROWN, Associate Professors
WALDO ABBOT, Acting Instructor (Summer Quarter)

The Journalism curriculum is based on the conviction that the proper college training for journalism provides (1) a broad foundation of general information, (2) more specific knowledge of economics, political science, history,

and other subjects with which the journalist largely deals, and (3) some technical ability in journalism and an intelligent comprehension of the obligations and responsibilities of the profession.

COURSES IN JOURNALISM

100. News Writing I.—Study of the structure of the news story and of news values, with practice in writing. Sources of news and methods of news gathering. Newspaper organization and news-gathering organizations. All writing in the course must be done on a typewriter.
5 units, autumn quarter (SMITH) MTWThF 8
Autumn, 25

101. News Writing II.—A continuation of Course 100. Writing of more difficult news stories, and under time limitation.
5 units, winter quarter (SMITH) MTWThF 8
Winter, 24

102. Copy Reading.—A continuation of Course 101. Headline writing and proofreading.
5 units, spring quarter (SMITH) MTWThF 8
Spring, 19

103. Elementary Practice.—Practical work in news gathering and writing for the *Daily Palo Alto* or other newspapers, or on the business staff of a campus publication, with conferences. One unit of credit for three hours of work of a character satisfactory to the Division of Journalism.
1 or 2 units, autumn, winter, and spring quarters (SMITH, BROWN) By arrangement
5 units, summer quarter (SMITH, ABBOT) MTWThF 8
Autumn, 11; winter, 21; spring, 21; summer, 10

104. Advanced Practice.—Practical work in executive positions on the editorial or business staffs of campus publications, with conferences.
1 or 3 units, autumn, winter, and spring quarters (SMITH, BROWN) By arrangement
5 units, summer quarter (SMITH, ABBOT) MTWThF 2:05
Autumn, 16; winter, 19; spring, 22; summer, 12

105. Editorial Writing.—Study of the function of the editorial, with practice in writing.
5 units, spring and summer quarters (BROWN) MTWThF 10
Spring, 36; summer, 1

106. Feature Article.—Study of the feature article for newspapers and magazines, with practice in writing.
5 units, winter quarter (SMITH) MTWThF 11
Winter, 13

107. American Journalism.—A survey of the development of American newspapers, and a study of the work and influence of outstanding journalists.
3 units, autumn and spring quarters (SMITH) MWF 11
Autumn, 1; spring, 19

108. Ethics of Journalism.—A consideration of problems of conduct and practice in newspaper writing, editing, and publishing.
2 units, autumn and spring quarters (SMITH) TTh 11
Autumn, 1; spring, 22

109. Law of the Press.—A survey of the bearing and application of various laws that affect the work of writers and publishers of newspapers.
2 units, winter quarter (BROWN) TTh 10
Winter, 54

110. Editorial Management.—The conduct of the newspaper, especially in the small city and country field, with emphasis on the news and editorial side; the problems of the executive who directs editorial and news policies;

the relations of news and editorial departments to advertising and circulation.

5 units, autumn quarter (BROWN) MTWThF 9
Autumn, 40

111. Business Management.—The conduct of the newspaper, especially in the small city and country field, on the business side; costs, advertising, circulation, and other elements in the maintenance of the newspaper as a profit-making business enterprise.

5 units, winter quarter (BROWN) MTWThF 9
Winter, 75

112. Advertising Problems.—Advertising in its various aspects in the newspaper field, especially with regard to small city and country newspapers. Prerequisite: Psychology 151. (Students should note that Psychology 51, which is a Journalism requisite, is recommended as a preliminary to Psychology 151.)

5 units, spring quarter (BROWN) MTWThF 9
Spring, 45

149. Seminar.

3 units, winter and spring quarters (BROWN) By arrangement
Winter, 2; spring, 3

200. Teachers' Course.—A course for those preparing to teach journalistic writing in secondary schools or to supervise student publications in such schools.

2 units, winter and spring quarters (SMITH) By arrangement
Winter, 12; spring, 1

212. Teachers' Course.—(Same as Course 200.)

2 units, summer quarter (SMITH) TTh 3:05
Summer, 7

MUSEUM AND ART GALLERY

LELAND STANFORD JUNIOR MUSEUM

PEDRO J. LEMOS, *Director*

In 1880, Leland Stanford Junior, then eleven years of age, accompanied his parents on a trip through Europe, collecting numerous mementos of the places visited. In 1883, on a second visit, he began to pursue this object more ambitiously, and finally with the idea of establishing a museum. The Leland Stanford Junior Museum was designed by Mrs. Stanford as a memorial to perpetuate this idea, and the various collections are largely her gift to the Museum.

The collection made by Leland Stanford, Jr., between 1880 and 1884 has been placed in two rooms, and in one room his own arrangement is reproduced in detail; in the other room are found mementos of his early life. These two rooms contain especially Egyptian bronzes, Tanagara figurines, Greek and Roman glass, armor, mosaics, Sèvres and Dresden ware, and the like.

The Stanford Memorial Room contains collections of personal belongings pertaining to the founders of the University. Added to these are collections connected with the early days of the University, views of buildings in construction, and details of the mosaics used in the Memorial Church.

Another room contains the famous historical relic, "The Governor Stanford," the first locomotive used on the Central Pacific Railroad, in 1864. A group of cases in this room contain collections related to early California history. The center case contains practically all the implements extant of the old Mission Dolores, presented by Don Pablo Vasquez, whose father was the last major-domo of the Mission. Included in the Mission collection are some extremely rare relics of Father Junipero Serra and of the Carmel and Santa Barbara Missions.

The Di Cesnola Collection contains Greek and Roman pottery and glass from the Island of Cyprus.

The American Indian Collection is made up of mound relics, Indian baskets, Indian Pueblo pottery, utensils, Alaskan canoes, totem poles, etc. In this room is also a display of material of the stone age purchased by Mrs. Stanford in Denmark.

The Ikeda Chinese and Japanese Collection, purchased by Mrs. Stanford in 1904, comprises rare art material from the Orient.

In the Chinese and Japanese Room there is exhibited a collection of bronzes, arms, china, lacquer, cabinets, musical instruments, rich embroideries, and specimens of wood-carving; also the famous de Long Collection of Japanese rarities.

The Japanese Collection, purchased by Mrs. Stanford in 1902, consists of cloisonné, Satsuma, porcelain, embroideries, Buddhistic images, and ivory carvings, and includes a large bronze Koro, over 150 years old. The Corean Collection, the gift of Mr. Timothy Hopkins, contains costumes, household goods, cabinets, screens, etc. Ceramics collected by Mrs. Stanford include Sèvres, Dresden, Royal Berlin, Persian, Pompadour crystal, Bohemian, and numerous other wares.

The Egyptian Room contains: Egyptian stone carvings, alabaster canopias or jars, bronze, wooden, terra-cotta, and glazed statuettes, images, mummies, scarabs, and numberless other emblems, hand-woven linen and Coptic textile color designs, and original portrait paintings taken from mummy cases. This Egyptian material was collected for Mrs. Stanford by the Curator of the Cairo Museum, Emile Brusch Bey, and experted by Dr. Sayce, the noted Egyptologist. This room also contains a case displaying a collection of very old and rare Babylonian tablets.

The upper floor of the Museum contains two large collections of paintings. One of these was collected by Mr. and Mrs. Stanford and includes original paintings of each member of the family, by such artists as Messionier and Bonnat, also original paintings by Benjamin West, Gustave Richter, William Keith, and Thomas Hill. The other collection is loaned by Mr. and Mrs. Timothy Hopkins, and includes paintings by Sir Joshua Reynolds, Josef Israels, and J. J. Henner.

THOMAS WELTON STANFORD ART GALLERY

PEDRO J. LEMOS, *Director*.

The Thomas Welton Stanford Art Gallery is composed of four galleries designed for the exhibition of paintings and other works of art.

In the main galleries the collection of paintings donated by Thomas Welton Stanford is placed. Among these are pictures by Minderhout Hobbema, James Giles, R.S.A.; John Frederick Herring, Lienur, Van der Houten, Francis Snyders, W. J. Laidley, David Bates, John Yarley, Juliun M. Price, J. W. Ready, William Melby, James E. Meadows, Elijah Walton, F.G.S.; W. Henry, E. Wake Cook, T. R. Miles, Sr., John Glover, Herr Schnars-Alquist, Louis Buvelot, William Hart, William Shiels, R.S.A.; S. Bird, Patrick Nasmyth, Emil Bayard, Gerard Lairesse, C. Wimmer, Salvator Rosa, G. Koken, John Weenix, Bachman, Kobell, Jr., Charles Stuart, Heinrich Rasch, Melchor Hondecooter, Marie Angelica Kaufman, George Earl, G. Guardabassi, E. G. Lewis, and J. W. Curtis.

The rear gallery has been planned for the exhibition of collections of paintings, etchings, and sculpture from eastern and foreign art centers. These exhibitions are announced from time to time as they are received.

LECTURES AND DEBATES

RAYMOND FRED WEST MEMORIAL LECTURES

In 1910 Mr. and Mrs. Fred West, of Seattle, Washington, presented to the University, in memory of their son, Raymond Fred West, a student of the University who died before the completion of his college course, the sum of ten thousand dollars, to be held as a fund in perpetual trust, for the establishment of a lectureship on a plan similar to the Dudleian Lectures at Harvard University.

"It is our wish that such lectures shall not form part of the usual college or university course, nor shall they be delivered by any professor or instructor in active service in the institution. Such lecturer may be a clergyman or a layman, a member of any ecclesiastical organization, or of none, but he should be a man of the highest personal character and of superior intellectual endowment. He shall be chosen by the Faculty and the Board of Trustees of said University in such manner as the said Board of Trustees may determine, but the appointment in any case shall be made at least six months before the delivery of said lectures. . . . . The course of lectures shall be known as the 'Raymond Fred West Memorial Lectures on Immortality, Human Conduct, and Human Destiny.'"

The following general plan has been adopted by the University: The lectures are to be delivered in alternate years; the lecturer is to give at least three lectures; the lectures are to be published in book form within two years after delivery, the lecturer to have the option of publishing them himself, in which case the University will purchase a hundred copies, or of having the University publish them, in which case it will retain the copyright (in any case the manuscript of the lecturer is to be filed in the University archives); the honorarium to be decided in each case by the Board of Trustees, and unless otherwise ordered the entire earnings of the fund for the two years to be devoted to honorariums and to the purpose of publication; the lecturer is to be nominated by the President with the approval of the Advisory Board and the consent and ratification of the Board of Trustees.

These lectures have been given by Charles Edward Jefferson, Samuel McChord Crothers, Hastings Rashdall, Charles Lewis Slattery, John Dewey, Henry Osborn Taylor, Irving Babbitt, and Arthur Twining Hadley. The general subject of the last series, given April 22, 23, 24, 1924, was "The Conflict Between Liberty and Equality." The titles of the lectures were "Industrial Problems and Political Ideals," "The Uses and Dangers of Property Right," and "The Uses and Dangers of Representative Government."

DEBATES

Intercollegiate debates, under the auspices of the Associated Students of the University, are held each year with the University of California, the University of Southern California, and other Pacific Coast institutions. A local public-speaking contest, in which speaking in the extemporaneous style is encouraged, usually occurs during the autumn quarter. The Associated Students of the University send a representative to take part in the Annual

Pacific Coast Oratorical and Extemporaneous Contests held under the auspices of the Pacific Coast Public Speaking League. Stanford freshmen meet University of California freshmen in dual debate in the winter or spring quarter.

Debate societies within the University are two in number, Euphronia, composed of men, and The Women's Debating Society. These societies carry on debates among themselves and with similar societies in other institutions in the Bay region. Interest is being aroused in women's debate as an activity, and women's debates with California and Mills College have been held during the past two years.

In March, 1923, Stanford University became a member of the newly formed Pacific Forensic League, the purpose of which is to foster forensic endeavor among the several member institutions. The members of the Conference are: Washington State College, Whitman College, Reed College, the University of Oregon, Oregon Agricultural College, Stanford University, University of Southern California, and Willamette University.

STANFORD-CALIFORNIA DUAL DEBATE

In November a dual debate between the University of California and Stanford was held on the question: "Resolved, That the Democratic Ideal Is a Mistaken Sentiment." Stanley A. Weigel and Charles C. Scott, upholding the negative, met the representatives of the University of California at Berkeley on the evening of November 10. On the following evening George N. Crocker and Fred M. Combellack, representing the affirmative, met the debaters from the University of California at Stanford. No decisions were given in either contest. The no-decision debates met with approval at both institutions, the speakers being able to adapt themselves to the situation with ease and naturalness not usual in more formal debating.

THE STANFORD-UTAH DEBATES

During the winter quarter Theodore F. Baer and George N. Crocker represented Stanford in a series of three debates in Utah, upholding, in all three debates, the affirmative of the question, "Resolved, That the Younger Generation's Assertion of Freedom in Thought and Action Is Detrimental to Society." The first two debates, both being no-decision discussions, were held at the University of Utah, Salt Lake City, and at the Brigham Young University, Provo, on the evenings of January 29 and 30, respectively. The final debate took place at the Utah Agricultural College, Logan, on February 1. In this debate the audience rendered the decision, 250 votes being cast for the affirmative and 150 for the negative.

On May 20 a debate was held with the Utah Agricultural College in the Assembly Hall at Stanford on the question: "Resolved, That the Prohibition Law Should Be Amended." Darrell R. Parker and Philip Cavalero of Stanford opposed the motion. The decision was rendered in favor of the negative by an audience vote of 78 to 15.

STANFORD–UNIVERSITY OF SOUTHERN CALIFORNIA DUAL DEBATE

Speaking on the same question they debated in Utah, Theodore F. Baer and George N. Crocker upheld the affirmative against representatives of the University of Southern California on the evening of February 17, in the Stanford Assembly Hall. On the following evening Stanley A. Weigel and Fred M. Combellack, debating on the negative of the same question, met

debaters from the University of Southern California in Los Angeles. No decisions were given in either debate.

STANFORD–MARQUETTE DEBATE

On the evening of March 8 a debate was held at Stanford with representatives of Marquette College on the question, "Resolved, That This House Pities Its Grandchildren." Charles C. Scott and Philip Cavalero of Stanford argued against the motion. The audience rendered the decision, giving a slight majority to the negative.

STANFORD–COLLEGE OF THE PACIFIC DEBATE

The above-mentioned question was chosen for a debate with the College of the Pacific on March 9. The debate took place at Stockton, the affirmative being upheld by Harold W. Peterson and Alfred E. Frazier of Stanford. No decision was rendered, but the open forum discussion following the debate was of a spirited character.

THE JOFFRE MEDAILLE DEBATE

A representative of the University of California won the Joffre medal for the first time in five years when, on the evening of April 20 in Wheeler Hall at the University of California, the judges gave the decision to Miss Ruth Clouse. Miss Clouse has the distinction of being the only woman who has ever competed in this contest. George N. Crocker and Stanley A. Weigel, both of Stanford, tied for second place, while Fred M. Combellack, also of Stanford, was ranked third. The general question, announced in January, was "France and the Locarno Agreement." The specific question, chosen by Professor Pitman Potter of the University of Wisconsin, was: "Resolved, That the Locarno Agreement Provides France with the Best Protection for Her Security Obtainable under the Circumstances." The affirmative was upheld by Mr. Weigel and Mr. Crocker, Mr. Combellack supporting the negative.

FRESHMAN DEBATES

Representatives of the freshman classes of Stanford and the University of California met in dual debate on April 14. The question was: "Resolved, That the Sale of Light Wines and Beer Should Be Legalized." Leonard H. Kirkpatrick, George F. Mott, Jr., and Charles F. Prael upheld the affirmative at Stanford. The decision of the judges was two to one in favor of the negative. On the same evening, Chester L. Cooley, Beverley McAnear, and Robert A. Hume, opposing the motion, won the unanimous decision of the judges at the University of California.

WOMEN'S TRIANGULAR DEBATE

On the evening of March 10, four women debaters from Stanford met representatives of the women of the University of California (Southern Branch) and the University of California at a triangular debate on the question, "Resolved, That George F. Babbitt Can Be Vindicated." Miss Katherine M. Applegate and Miss Marian L. Klocksen upheld the affrmative at Stanford against representatives from the Southern Branch, while Miss Rhoda V. Lewis and Miss Ruth E. Tinsley spoke for the negative at the University of California. Audience decisions resulted in a tie vote at Stanford. At the University of California a majority favored the affirmative.

DEGREES CONFERRED

([1]October 9, 1925; [2]January 8, 1926; [3]April 2, 1926; June 21, 1926)

BACHELOR OF ARTS

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

Harold Ignatius Fitzsimons
Zabelle K. Giragosian
[2]Carolyn Peirce
With distinction
LaForest Ethelbert Phillips, Jr.
[3]David Lander Reeves
Ralph Conrad Shermund
Rose Ella Louise Trautz
[3]Lucy Adele Westall

SCHOOL OF BIOLOGY

[1]Gerald George Cleary
Dorothy Eleanor Hack
[2]Ludwig Ernest Herz
Doris Kell Kildale
With great distinction
Eleanor Barrett Klauber
[3]John Scott Quigley
John Huber Roberts, Jr.
Elsbeth Ethelwyn Zschokke

CHEMISTRY

[2]Clarence Travis Anderson
[3]Wilbur Porter Bailey
With distinction
Bernard Barton
Alexander Bowman Bigler
Robert Greenleaf Bramkamp
With distinction
[2]Edwin Francis Bryant
[3]Harold DeLos Chope
With distinction
[1]George Joseph Culp
[3]Robert Holland Eckhoff
[2]Willis Conrad Fernelius
With great distinction
[3]Lois Ione Fox
Louis Alfred Rodrigues Gaspar
[2]Robert Hastings
Fred Norman Jones
Donald Philip Krotz
Percy Williams Lewis
Margaret Deering McDowell
With great distinction
Rulon Wells McOmie
Graham Wallace Marks
[2]Frederic Marinus Pyzel
Edward Gwilym Rees
[3]William Corell Smith
[1]William Wager Swayne
Lawrence Elbert Webster
[3]David Alvra Wood

CLASSICAL LITERATURE

Helen Virginia Stewart
With distinction

ECONOMICS

Cecil Vetus Abbott
[3]Thomas Charles Alexander
Etta Lucille Alison
[1]Horace Burgess Allison
Harold Hale Angier
Ralph Irving Anschutz
George Herring Atkinson
With great distinction
Bayles Ross-Lewin Balcom
With distinction

John William Balsley
Charles Myron Bean
Wesley Uhl Benepe
Lowell Webster Berry
[2]Schuyler Bigelow, Jr.
Felecita Elisa Boeseke
[1]Cornelius Earl Bolin
[1]William Arnold Brannock, Jr.
[3]Elwyn B. Bugge
[3]Keith Burgess
Kenneth Hare Burrell
Beryl Busby
[3]Earl Watson Cairns
[3]Franklin Sunn Chun
[3]Robert James Clendenin
With distinction
Alma Loleta Cobb
With distinction
[2]James Ballou Coplen
[3]Philip Henry Cowen
Miles James Crookshank
[2]Ross Owen Crump
With distinction
Murray William Cuddeback
Homer Kent Dombaugh
Ralph Clayton Draper
William Dunnigan
[3]John Ellis Dutton
George Gillespie Eardley
Alfred Eric Ellerby
[1]Robert Edmund Emmons
William Louis Enderud
[3]William Compton Espy
Charles Orrick Evans
[3]Raymond Farrell
Dana L. Fuller
[3]Dorothy Kathryn George
William Gottschalk, Jr.
With distinction
[2]Francis LaSha Greiner
Millison Cutler Hardy
With distinction
[2]George P. Hays
[3]William Eugene Hays
Warner White Henry
Robert Eugene Herdman
Richard Hickman
[2]Richard Hoagland Hinckley
Robert Paul Holland
With distinction
Philip Burton Hooker
Theodore Amos Hopkins
Charles Garoutte Hovey
Harold Eugene Humphrey
John Borland Irwin, Jr.
David John James
[1]Emma VanNoy Jamison
With distinction
[2]Marvin Hilbert Jankelson
Arthur Best Johnson
[1]Carl Loomis Johnson
[2]Elmer William Johnson
James Garvin Kahle
Richard Gale Keyes
Harold Nelson King
[3]Thomas Scott King
[1]John August Kohler
[2]Brother Lars Kylberg
Richard Tracy Lapiere
With great distinction
[1]Richard Frederick Lazier
With distinction
Gardner Pennington Lippincott
[3]Rupert Francis McCook
Gilbert Roy McDermont
Edgar Allen McDowell
With great distinction
Alexander McLeish
[1]Roderick Irving McLellan
Richard Loomis MacRae
Francis Byers Manchester
John Mann
Ambrose Johnston Martin
Kenneth George Martin
Ju Ao Mei
With distinction
Philip Naramore Meyer
Harold Anderson Miller
[3]Hutton Miller
[3]Maxine Espy Miller
Howard L. Mitchell
[2]Robert Griffen Moore
Harold Gad Morgan
[3]Kenneth John Morrow
With distinction
[3]Richard Harding Moule
[1]Dorothy Muller
[2]Harold Arthur Neff
[3]William C. Neill, Jr.
Frank Culver Nichols
Winifred Barton Nichols
Robert Holmes Officer
Webster Bailey Otis
[1]Claude Henry Paris
Horace Evans Pastorius, Jr.
[1]Oscar E. Payne
[3]Walter Lyall Pearson

[1]James Gilbert Philen, Jr.
[3]Merlin Ware Porter
[2]Arthur Clarence Pratt
[1]Rupert Mortimer Quinn
[2]Ralph Baker Randolph
[3]Malcolm Blum Reiss
[1]George Duncan Roberts
[3]Dwight Robinson
Edwin Greenlee Roodhouse
[2]Arthur Alexander Ross
[2]Gordon McKinnon Ross
[2]Cloudsley Damon Rutter
[3]Fred C. Sauer
With distinction
[3]Arthur Castle Schoen
Herbert Allyn Sewell
[3]Frederick Orlo Sherrill
[3]Harry Hector Shipkey
[3]Philip Harvey Stephens
William Galbraith Storie
William Henry Suffern
John Alfred Sutro
[1]Edward Nuku Sylva
[3]George Wesley Tackabury
Elwyn Arthur Thomson
[2]Henry Edward Timby
[3]Marian Louise Toll
With distinction
Clarence Joseph Toy
Cecil Leslie True
Norman Millett Tucker
[2]Ross Alexander Urquhart
[2]Stuart Guillot VanHook
[1]Evelyn Adene VanHorn
Louis Graves VanVorhis
Ruth Vredenburgh
[3]Linda Joyce Walling
With distinction
[2]En Fan Wang
[2]John Robert White, III

ECONOMICS: JOURNALISM

[2]Thomas Edward Connolly, Jr.
[1]Donald Eugene Liebendorfer
[2]Raymond Luper Spangler

EDUCATION

[2]Ernest William Allen
[2]Robert Irving Baldwin
Charles Randall Clifford
[1]George Louis Gordon
[1]Wayne Lee Hawkins
[3]Jacob Carney Irwin
Anselmo García Patacsil
[2]Li-Hwei Pêng
[2]Carter Niles Phair
Byron Reginald Snow
[1]Lucille Holbrook Snyder
With distinction
Nadene Parker Stewart

EDUCATION: GRAPHIC ART

David Bridgman Clark
Marion Francel Cross
[3]Margaret Mae Earle
Eleanor Kingsbury Forderer
[3]Vida Hays
Adelaide Frances Kelly
Daniel Marcus Mendelowitz
Lesda Elizabeth Sayles
Marjorie Biby Stephens

ENGINEERING

CIVIL ENGINEERING

A. Perry Banta
Thaddeus Christian Binkley
John Allen Bradley
Clifford Sutherland Cameron
William Hart Fain
[2]George Thomas Forsyth
John Adolph Mancini
With distinction
Allan James Meadowcroft
With great distinction
Norton Mever
Fred Ross Muhs, Jr.
With distinction

Edward John Lawrence Peterson
Frederick Ernest Potts
John Hamilton Squires
Glenn Henry Stockbridge
[3]Mark Everett Thomas
With distinction
John Carlton Walker
[3]John Herbert Wallace, Jr.
Conrad Weil, Jr.
Arthur Chapman Wright
Henry Lee Wulff

ELECTRICAL ENGINEERING

Paul Boodberg
Robert Davis Boynton
Ervin Hicks Bramhall
Claude Albert Bryner
[3]Charles William Dickenson
Francis Minoru Hayashi
Joel Cornish Hertsche, Jr.
[2]Arthur Agnew Kinnear
Wallace Gilbert Lentz
Alfred Vernon Pering
James B. Taylor, Jr.
Peirce Edmund Warrington
With great distinction
William Bruce Wells

MECHANICAL ENGINEERING

[2]Eric Thornhill Barnett
Theron Walthall Bean
Barry Farmer Bering
Fred L. Brandt
[3]Philip Terrill Brooks
Ian James Campbell
John Gerand Carriere
Norton Creemer DeWolfe
[3]Max Bunch Harlow
George Edgar Hulstede
With distinction
Lester B. Hutchinson
William Henry Jacobs
[3]Court John Kinnison
[1]William Hiroshi Konishi
Charles Albert Kulmann
Edward Fulton Kurtz
With great distinction
Bernard Franklin Langer
With distinction
[3]Warren Scott McKay
With distinction
[3]Stanley Marvin
Ralph Blair Miller
[3]Arthur Joseph Moen
Theodore Davis Mooney
Melville Eugene Payne
Herbert William Powers
[2]John Henry Richards
Hubert Oliver Ritland
Hugh Hildreth Skilling
With distinction
[2]Howard Carlisle Smith
[1]Carl William Spring
Howard Newman Swift
[1]Albert Cosad White

ENGLISH

[1]Joanna Maria Anderson
Eunice K. Baker
With great distinction
[2]Mary Esther Bell
Robert Mack Carr
Kate Smith Clemans
A. Grove Day
With distinction
Frances Jane Dearborn
[2]Rachel Thayer Dunlop
[3]Cecile Marie. Feusier
[2]Margaret Elizabeth Gemmell
[1]Miranda Goodrie
Esther Florence Greenacre
[3]Anna Harris
[2]George Henry Hinkle
With distinction
Frank Jones
With distinction
Willard Parks King
Dorothy Estelle Knowles
Theodore Frelinghuysen Miller
Ruth Irene Montgomery
Lorna Downs Morgan
[2]Lucia Sarah Plant
[2]Genevieve Rogers
Mary Blanch Steinbeck
Alfred Dean Storey
Carl Stroven
Theodore Alexander Stubblefield
Christine E. Tapley
Alice E. Whiffen

ENGLISH: JOURNALISM

[1]Miriam Ebright
[3]Beatrice Elise Flesher

ENGLISH: PUBLIC SPEAKING

Marjorie Sarah Allen
Aileene Sabina Burks
Helen Marion Lewis

GEOLOGY

[2]Edward Robert Atwill, III
Harold Johnson Buddenhagen
[1]Rollin Farmin
[2]Aldo Ferrando
[1]George Sherman Follansbee, Jr.
[3]William Harry Holman
With distinction
Malvern Edward Hoover
[1]Eric Knight Jordan
With great distinction
[2]Luis Emmett Kemnitzer
Merrill Evans Lake
[1]Robert Darl Patterson
[1]Robert Franklin Playter
[1]Manuel Edward Souza
Eugene Hopson Vallat

GERMANIC LANGUAGES

Persana Lovell Deimling
[1]Lucy Woodbridge Means

HISTORY

[3]Paul Adolph Bissinger
Emmitt Jullion Bohne
Marion DeWolfe Bolman
With distinction
[3]Paul Parmalee Botsford
[3]Katherine Frances Capell
With great distinction
Carol Adelene Chandler
Glenn Edwin Cramer
Leah Alice Crane
Laurette Genevieve Cullinan
[1]Ivan Deach, Jr.
Horace Walter Dryden
Helen Margaret Erskine
With great distinction
[2]Wendell Henry George Evers
William VanVelsor Ewert
[3]Florence Elizabeth French
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Merrill Armour
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CLASSICAL LITERATURE

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A.B., National University of Peking

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ENGLISH

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GEOLOGY

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GERMANIC LANGUAGES

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HISTORY

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[1]Victor Ernest Hall
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POLITICAL SCIENCE

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A.B., Stanford
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[3]Ragnhild Marguerite Chevalier
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CHEMICAL ENGINEERING

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Chin Chuan Wu
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ELECTRICAL ENGINEERING

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Myron Durfee Case
A.B., Stanford

Nelson Perry Case
A.B., Stanford

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Clarence Harold Dawson
A.B., Stanford

Alexander John Drodjin
Graduate, Institute of Technology, Kharkoff, Ukraine

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Richard Campbell Lewis
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Marcel Alfred Lissman
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Mabel Macferran
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Curtis Reynolds Walling
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MINING AND METALLURGY

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BOTANY, CHEMISTRY

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Kenneth Sinclair Ritchie
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[2]Edwin Oscar Smith
A.B. and A.M., McKendree College

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A.B. and A.M., Stanford

ECONOMICS, POLITICAL SCIENCE

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A.B., Vassar College
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ECONOMICS, SOCIOLOGY

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A.B., Reed College

EDUCATION, PSYCHOLOGY

[1]Vernon Mosher Cady
B.S., University of California
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ENGLISH

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A.M., Stanford

FRENCH, ITALIAN

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A.M., Stanford

GEOLOGY

PALEONTOLOGY, GENERAL GEOLOGY, STRUCTURAL GEOLOGY

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A.M., University of Utah
J.D., University of Chicago

HISTORY, POLITICAL SCIENCE

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MEDICINE (EXPERIMENTAL)

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PHARMACOLOGY, ANATOMY

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PHYSICS, CHEMISTRY

Warren Whittier Nicholas
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POLITICAL SCIENCE, ECONOMICS, PUBLIC LAW

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PSYCHOLOGY, EDUCATION

[2]Karl Montague Cowdery
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[1]Norman Fenton
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Herbert Reynolds Laslett
A.B., University of Kansas
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ZOOLOGY, BOTANY, ENTOMOLOGY

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FELLOWS AND SCHOLARS

1925–26

FELLOWS

AMERICAN SMELTING AND REFINING COMPANY FELLOWS

[23]Olie Gaylon Dressler (Chemistry).....Los Angeles
A.B., College of Emporia, 1914; A.M., Stanford, 1926

Houston Letcher (Chemistry).....Palo Alto
B.S., University of Minnesota, 1924; M.S., 1925

LIONEL REMOND LENOX FELLOW IN CHEMISTRY

Harold Henry Strain.....Mayfield
A.B., Stanford, 1923; A.M., 1924

TEACHING FELLOWS IN CHEMISTRY

[1]Ruth Vivia Fulton.....Vancouver, B.C.
A.B., University of British Columbia, 1918; A.M., 1919; Ph.D., Stanford, 1926

[234]Elton Fred Cornell.....Sunnyvale
A.B., Stanford, 1923; A.M., 1924

BUCKEL FELLOW IN EDUCATION AND PSYCHOLOGY

Helen Pye Davidson (Psychology).....New Westminster, B.C.
A.B., Stanford, 1924; A.M., 1925

CYRIL F. ELWELL FELLOW IN ELECTRICAL ENGINEERING

Mabel Macferran.....Palo Alto
B.S., Massachusetts Institute of Technology, 1925; Engineer, Stanford, 1926

NATIONAL RESEARCH COUNCIL FELLOWS

[1]Clinton Hobart Thienes (Pharmacology).....Portland, Oregon
A.B., University of Oregon, 1918; A.M., 1923; M.D., 1923; Ph.D., Stanford, 1926

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THOMAS WELTON STANFORD FELLOW IN PSYCHIC RESEARCH

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CUBBERLEY FELLOWS IN SCHOOL ADMINISTRATION

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STANFORD FELLOWS

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UNIVERSITY FELLOWS

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[234]William Henry Cooke (History) ..... Stanford University
A.B., Pomona College, 1920; A.M., 1921

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James A. Clifford Grant (Political Science) ..... Los Angeles
A.B., Stanford, 1924; A.M., 1925

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SCHOLARS

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Luther Glynne Price (Medicine) ..... Kosse, Texas
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Cranston William Holman (Lower Division) ..... Santa Rosa

BERTHA HYDE BRALY SCHOLAR

Louise Dawes Shedd (School of Biology) ..... San Jose

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Thaddeus Christian Binkley ..... South San Francisco
A.B., Stanford, 1926

E. C. CONVERSE SCHOLARS

[12]Katherine Frances Capell (History).....Council Bluffs, Iowa
A.B., Stanford, 1926
Oliver Byrd Crandall (Lower Division).....San Antonio, Texas
[1]Kenneth Boucher Funk (Lower Division).....Los Angeles
William Webster Hansen (Lower Division).....Fresno
Robert Arthur Hume (Lower Division).....Brookings, South Dakota
[1]Margaret Louise Jeannin (Lower Division).....Pasadena
Malcolm Nixon Jones (Pre-Medical).....San Bernardino
Leonard Henry Kirkpatrick (Lower Division).....Fellows
Robert Lincoln Loofbourow (Lower Division).....Berkeley
[3]Ida Marie Lundquist (Lower Division).....Middletown
Allan James Meadowcroft (Civil Engineering).....Modesto
A.B., Stanford, 1926
Margaret Elizabeth Olsen (Lower Division).....Los Angeles
[1]Derril Wildanger Schneider (Zoölogy).....Sacramento
A.B., Stanford, 1926
[23]Charles Edward Smith (Pre-Medical).....Sacramento
John Young Springer (Economics).....Palo Alto

MABEL HYDE CORY SCHOLARS

[2]Astrid H. Arnoldson (History).....Missoula, Montana
[13]Helen Margaret Erskine (History).....Detroit, Michigan
A.B., Stanford, 1926

WILLIAM S. CRANSTON MEMORIAL SCHOLARS

[1]David Fletcher Hawley (Lower Division).....Lodi
Harold Hoyt Taylor (Lower Division).....Pasadena

GEORGE E. CROTHERS LAW SCHOLAR

David Lloyd Davies (Law).....Portland, Oregon
A.B., Stanford, 1925

W. J. DICKEY SCHOLARS

Leonard Garrard Dobson (Zoölogy).....Fresno
A.B., Stanford, 1926
Kenneth Wade Thompson (Pre-Clinical).....Fresno
A.B., Stanford, 1926

HENRY G. DODDS SCHOLARS

Harold DeLos Chope (Medicine).....San José
A.B., Stanford, 1926
[3]Clifford Ernest Schink (Economics).....Dawson, Y.T.

ORRIN W. DUNN SCHOLAR

Louis Billings Lundborg (Law).....Billings, Montana

HIRAM C. FISK SCHOLARS

[2]Clifford Ernest Schink (Economics).....Dawson, Y.T.
[13]Seraphim Fred Post (Mechanical Engineering).....Berkeley

FLORENCE HECHT FRIES SCHOLAR

[23]Herbert Arthur Niebergall (Medicine).....Vancouver, B.C.
A.B., Stanford, 1923

GERTRUDE GARDINER SCHOLAR

Berneice Marjorie Little (Spanish).....Eureka

WILMER J. GROSS SCHOLAR

Leonard Foote Bruml (Pre-Clinical).....Palo Alto
A.B., Stanford, 1926

WILLIAM F. HERRIN SCHOLAR

Cecil Thane Doll (Lower Division).....Redondo Beach

BRODIE G. HIGLEY SCHOLAR

Lois Ida Doe (Psychology).....Stockton

E. W. HOPKINS SCHOLARS

[23]Hilliard Roy Giffen (Lower Division).....Fowler
[23]Edward H. Sibbett (Lower Division).....Berkeley
[1]Ottie Conway Sprinkle (Lower Division).....Palo Alto
Ruth Elizabeth Tinsley (Lower Division).....Kansas City, Missouri
Edmond Maurice Wagner (Lower Division).....San Francisco
Clifford Francis Weigle (Lower Division).....Lomita Park
Phillip Hunt Wells (Lower Division).....Pasadena

CHARLES ANDREWS HUSTON MEMORIAL SCHOLARS

[1]Alfred Amasa Miller (Law).....Seattle, Washington
A.B., Stanford, 1924; J.D., 1926
[23]Loton Dutreux Wells (Law).....San Francisco
A.B., Stanford, 1924; J.D., 1926

IRA S. LILLICK SCHOLAR

William Edward Wright (Law).....Stockton
A.B., Stanford, 1924; J.D., 1926

MRS. IRA S. LILLICK SCHOLAR

Leon Thomas David (Law).....Vallejo
A.B., Stanford, 1924; J.D., 1926

ERNEST A. LOVE SCHOLAR

Henry Webb Thompson (Pre-Medical).....Glendale, Arizona

MRS. McDOWELL ROBLE CLUB SCHOLAR

Ada Jane Roberts (History).....McCleary, Washington
A.B., Stanford, 1926

DOROTHY METZ SCHOLAR

Arthur Grove Day (English) ..... Sonora, Mexico
A.B., Stanford, 1926

MARGARET SIDNEY SCHOLAR

Fleta Hazel Williams (Medicine) ..... San Francisco
A.B., Stanford, 1920; A.M., 1925

ROBERT S. AND FLORENCE MOORE SCHOLAR

[2]Thomas Edward Drake (Lower Division) ..... Palo Alto

PALO ALTO PUBLIC SCHOOL SCHOLAR

Douglas Low King (Law) ..... Palo Alto
A.B., Stanford, 1926

DR. EMMET RIXFORD SCHOLAR IN SURGERY

[3]Thomas R. Haig ..... San Francisco
A.B., Stanford, 1918; M.D., 1922

SAN MATEO HIGH SCHOOL REGIONAL SCHOLARS

Clyde Arza Dibble (Lower Division) ..... Burlingame
Carl Frederick Izzard (Lower Division) ..... San Mateo

LEON SLOSS SCHOLAR

Edward Arthur White (Lower Division) ..... Madera

STANFORD ANONYMOUS SCHOLARS

Kenzie Kitasako (Lower Division) ..... Palo Alto
Roy Armand McClure (Lower Division) ..... San Bernardino
William Sanders (Lower Division) ..... Los Angeles
John Gilhousen Sobieski (Lower Division) ..... Los Angeles

STANFORD CLUB OF SAN JOSE SCHOLAR

[23]Walter Charles Hulsman (Lower Division) ..... Campbell

STANFORD FACULTY WOMEN'S CLUB SCHOLAR

[12]Thomas Edward Drake (Lower Division) ..... Palo Alto

LELAND STANFORD JUNIOR MEMORIAL SCHOLARS

[1]Lloyd Alton Bridgman (Lower Division) ..... Witten, South Dakota
[23]Donald George Marquis (Psychology) ..... Bellingham, Washington

STANFORD MOTHERS' CLUB SCHOLAR

[3]C. Eben Stromquist, Jr. (Lower Division) ..... Palo Alto

STANFORD RESIDENT ALUMNAE SCHOLAR

Eunice K. Baker (English) ..... Watertown, New York
A.B., Stanford, 1926

STANFORD WOMEN'S CLUB OF SAN FRANCISCO SCHOLAR

Doris Kell Kildale (School of Biology) ..... Eureka
A.B., Stanford, 1926

JOHN MAXSON STILLMAN SCHOLAR IN CHEMISTRY

Donald K. Harger (Chemistry) ..... Los Angeles
A.B., Stanford, 1925

UNIVERSITY GRADUATE SCHOLARS

W. Lyle Allred (Physics) ..... Logan, Utah
A.B., Brigham Young College, 1909; A.M., Stanford, 1925

Elsa Jean Barber (English) ..... Livermore
A.B., Stanford, 1925; A.M., 1926

Frederic Wallace Borden (Medicine) ..... San Francisco
A.B., Stanford, 1925

Howard Selva Bryant (Mining) ..... San José
A.B., Stanford, 1925

Dana Burks, Jr. (Chemistry) ..... Menlo Heights
A.B., Stanford, 1924; A.M., 1925

[3]William George Carr (Education) ..... Palo Alto
A.B., Stanford, 1924; A.M., 1926

Esther Caukin (History) ..... Berkeley
A.B., Mills, 1924; A.M., Stanford, 1925

Frederick Emanuel Crever (Electrical Engineering) ..... San José
A.B., Stanford, 1925; Engineer, 1926

Muriel Emma Edwards (Medicine) ..... Wallace, Idaho
A.B., Stanford, 1921

[3]W. Conard Fernelius (Chemistry) ..... Ogden, Utah
A.B., Stanford, 1926

Lon Luvois Fuller (Law) ..... Escondido
A.B., Stanford, 1924; J.D., 1926

Gale Charles Griswold (Chemistry) ..... Modesto
A.B., Stanford, 1925; A.M., 1926

[12]Frederic Dooley Hanson (Mining) ..... Palo Alto
A.B., Stanford, 1924; Engineer, 1926

[12]Victor Hunt Harding (Political Science) ..... Palo Alto
A.B., Stanford, 1925

Charles Henry Harrington (Mathematics) ..... Corona
A.B., Stanford, 1925; A.M., 1925

[23]Stanley Howell (Law) ..... Palo Alto
A.B., University of Utah, 1922

Milton B. Jensen (Education) ..... Palo Alto
B.S., Utah Agricultural College, 1924; A.M., Stanford, 1925

Donald Alexander Johansen (Botany) ..... Palo Alto
A.B., Stanford, 1925; A.M., 1926

Donald Eliot King (Medicine).....Palo Alto
A.B., Stanford, 1923

Leta Kirk (History).....Garnett, Kansas
A.B., Smith College, 1925

[23]Albert Paul Krueger (Medicine).....San Francisco
A.B., Stanford, 1925

Marcel Alfred Lissman (Electrical Engineering).....Sacramento
A.B., Stanford, 1925; Engineer, 1926

Dell Theodore Lundquist (Medicine).....Middletown
A.B., Stanford, 1922

Henry Clayton Mack (Law).....Bakersfield
A.B., Stanford, 1924; J.D., 1926

[23]Evelyn Howard Miller (Anatomy).....Sacramento
A.B., Stanford, 1925

Victor Julian Minner (Mining).....Carbondale, Illinois
A.B., Stanford, 1925

Walter Thomas Phillips (Spanish).....Tacoma, Washington
A.B., University of Washington, 1925; A.M., Stanford, 1926

[1]Kenneth Gregg Robertson (Psychology).....Menlo Heights
A.B., Stanford, 1924

Harold Louis Rorden (Electrical Engineering).....Petaluma
A.B., Stanford, 1925; Engineer, 1926

Bertha Labaree Shedd (Medicine).....San José
A.B., Stanford, 1925

[12]Pearl Mabry Smith (Medicine).....San Francisco
A.B., University of Wisconsin, 1914; A.M., 1916; M.D., Stanford, 1926

[1]Ruth Esther Stern (Law).....Portland, Oregon
A.B., Stanford, 1923

[23]Mary Ruth Stucky (Spanish).....Sparks, Nevada
A.B., Stanford, 1925; A.M., 1926

John Orren Vaughn (Medicine).....San Francisco
A.B., Stanford, 1924

Elizabeth Maude Young (History).....Minneapolis, Minnesota
A.B., University of Minnesota, 1923; A.M., Stanford, 1926

AWARDS AND PRIZES

COLONIAL DAMES SCHOLARSHIP

Beverly McAnear (Lower Division).....Sacramento

WILLIAM ROBERTS ECKART PRIZE IN MECHANICAL ENGINEERING

Paul Jay Bramkamp.....San José
A.B., Stanford, 1923; Engineer, 1926

ENGLISH DEPARTMENT SHORT-STORY PRIZE

Christine E. Tapley.....Los Angeles
A.B., Stanford, 1926

ILLUSTRATED REVIEW AWARD

Louis Rudolph Vincenti (Lower Division).....Pasadena

LOWER DIVISION HONORS

Thomas Harold Acres
David Snell Adams
Cleo Garland Adelsbach
John Shirley Armfield
Harold Maile Bacon
Ray Frank Baker
Jean Meek Ballou
Louis H. Brownstone, Jr.
Virginia Bunnell
Lucile Burk
Donald Langer Cherry
Eleanor Davidson
Bonnye Elizabeth Deal
Helen Delatour
Cecil Thane Doll
Thomas Edward Drake
Eugene Seymour Duval
Elvira Alide Erickson
Irene Henrietta Fox
Dorothy May French
Madeline Frick
Fay Dunn Hamilton
Norman William Hanak
May Genevieve Hardy
Robert Alexander Hefner
John Meredith Hiatt
Frederick Edwards Hines
Helen Josselyn Huneke
Sallie Kinsman
Herbert Arthur Klein
Lawrence Henry Lazarus
Helen Lease
Ida Marie Lundquist
Lucile Lyon
John Carson McDermott
Maurice Herman Mandell
Almon Francis Manspeaker
Barbara Anne Mayer
Clifton Reynolds Montgomery
Nathaniel Richard Morgan
Margaret Elizabeth Olsen
James Edward Prisinzano
Alice Madeline Rose
Louise Dawes Shedd
Dan Throop Smith
Jack Lowell Springer
Andrew Emerson Swickard
Reidar Bjarne Torjussen
James Bradley Tucker
Louis Rudolph Vincenti
Edward Arthur White
Lynn Townsend White
Margaret Louise Wood
Frederick August Zitkowski

DIRECTORY OF STUDENTS

Name; home residence; major subject; status; University residence; postoffice. Postoffice in all cases *Stanford University* except where University residence is followed by initial letter of town ('p' indicates *Palo Alto* postoffice; 'Mayfield-m,' *Mayfield* postoffice, etc.). Street address *Palo Alto* or *Campus* unless otherwise named. The numbers (or letters) in italics after the university address are Stanford University postoffice box numbers (or box letters).

Status.—gr., graduate student; sp., special student. The figures after major subject indicate, first, the number of units of university work completed (and counting toward the 180 units required for graduation), no account being taken of 'deferred,' 'incomplete,' or 'conditioned' work; second, the number of grade points in excess of, or falling short of, the number of registered units ('+ 20,' in excess; '— 20,' deficient). Where two numbers (separated by a point) precede the plus or minus sign, the first indicates the number of units of advanced or other credit to which the grade-point system does not apply; thus, 45·50 + 10 means that the total credit is 95 units, but that the + 10 grade points are based upon the 50 units only.

The superior figure [1] indicates registration for the autumn quarter only; [2] indicates winter quarter only; [3] indicates spring quarter only; [4] indicates summer quarter only; [12] indicates autumn and winter quarters only; [23] indicates winter and spring quarters only; [13] indicates autumn and spring quarters only; [5] indicates autumn, winter, spring, and summer quarters. The asterisk (*) indicates registered *in absentia;* the double dagger (‡) indicates unadjusted standing from other colleges and universities. (Phys. = Physics; Phyl. = Physiology.)

Abbe, Ellis Russell	Los Angeles	LD 123+99	Al.KappaLambda-*658*
[23]Abbott, Cecil Vetus	Stanford Univ.	Econ.45·135+8	Palo Alto Hotel
A.B., Stanford, 1926			
Abbott, Frank Riley	Hughson	E.E. 90·46+47	203 Sequoia
[1]Abbott, Herbert Louis	Venice	Law gr.	345 Lincoln-p
B.E., California, Southern Branch, 1923			
[5]de Aberle, Sophie	Stanford University	Anat. gr.	202 Bryant-*1122*
A.B., Stanford, 1923; A.M., 1925			
Abramson, John Hilty	Los Angeles	LD 76–1	Delta Upsilon-*1353*
[1]Achilles, Theodore Carter	Morgan Hill	Phil.21·160+121	BetaThe.Pi-*1335*
A.B., Stanford, 1926			
[1]Ackerman, Douglas	Kealakekua, Hawaii	LD 47–19	521 Encina
[3]Ackley, Robert Langdon	Los Angeles	LD 20·15–10	DeltaKappaEps.-*OO*
Acres, Lawrence Hobbs	Los Angeles	Pre-Cl. 51·142+196	Al.S.Phi-*1357*
A.B., Stanford, 1926			
[5]Acres, Thomas Harold	Los Angeles	Min. 142+188	AlphaSig.Phi-*1357*
Adams, David Snell	Woodland	LD 89+113	Kappa Sigma-*1326*
Adams, Donald Galen	Riverside	Law 174+63	220 Toyon-*1248*
[3]Adams, Elmore Cox	Palo Alto	Econ. 136+15	869 Channing-p
Adams, Ephraim	Turlock	Law gr.	527 Encina-*849*
A.B., Stanford, 1925			
Adams, Helen Marian	Los Gatos	LD 43+45	221 Roble-*1464*
[4]Adams, Herkimer Ernest	San Francisco	LD	310 Toyon
[12]Adams, James Lyman	Long Beach	Law 121+101	DeltaKappaEps.-*O*
[5]Adams, John Martin	Klamath Falls,Ore.	Zoöl. 172+81	Theta Chi-*1383*
[23]Adams, John Payson	Oakland	LD 79–17	Theta Delta Chi-*1828*
[1]Adams, Karl F.	Santa Cruz	Educ. gr.	136 Harriet-p
A.B., Hamilton, 1908, A.M., 1917			
[12]Adams, Lawson S.	Belvedere	LD 22–16	302 Toyon
Adams, Margaret Grace	Los Altos	LD 16·72–10	152 Roble-*1436*
[2]Adams, Marvin Osborne, Jr.	Los Altos	LD 27·70–24	Los Altos-*1436*

Adams, Philip V. Los Angeles Educ. gr. 505 Santa Ynez-*2892*
A.B., Stanford, 1917
Adams, Rupert Merlin Hollywood LD sp. 33+7 430 Encina-*1911*
[4]Adams, Ruth Marie Phoenix, Ariz. Pol. S. gr. 204 Roble
A.B., Miami, 1918
[3]Adams, Trerice Vivian Riverside LD 34·16–3 327 Encina
Adams, Wilbur Forest Sacramento Econ. 140+20 PhiGam.Delta-*1324*
[4]Addison, Helen McCornack Eugene, Ore. Span. gr. 282 Roble-*2825*
A.B., Oregon, 1923
Adelsbach, Cleo Garland Visalia LD 95+109 215 Sequoia
[4]Agar, Lucy Marsden Redwood City Engl. gr. Redwood City-rc
B.L., California, 1910
Aguerrevere, Angel D. Caracas, Venezuela Span. gr. 213 Emerson-*1484*
A.B., Stanford, 1925, A.M., 1926
[4]Aitken, Malcolm D. Mountain View Educ. gr. 468 Pettis, MV-mv
B.S., Montana State College, 1922
[5]Aitken, William Ernest Antofagasta, Chile Geol. 142+3 523 Encina-*527*
[5]Akey, Donald Kenneth Fresno Phys. gr. 856 Middlefield-*1264*
A.B., Stanford, 1926
[2']Alabaster, John Harlow Riverside LD 16·26–14 327 Encina-*878*
[4]Albertson, H. Kendall Los Angeles LD 121 Toyon
Aldahl, Joyce Long Beach LD 90+22 Delta Upsilon-*1353*
[12]Alden, Donald Hitt Palo Alto Engl.45·78+82 427 Embarcadero-p
[4]Aldous, Shaler E. Salt Lake City, Utah Zoöl.gr. 409 16th, Pacific Grove-pg
A.B., Utah, 1924
[4]Alekian, Alexander E. Chicago, Ill. Econ. 90·91–5 228 Union-*1961*
d'Alessio, Wagner Joseph Sacramento LD 46+41 110 Encina-*2352*
Alexander, Alden H. Riverside Med. gr. 2295 California, SF-sf
A.B., Stanford, 1923
[4]Alexander, Katherine Okmulgee, Okla. Educ. gr. Roble
A.B., Kansas, 1923
[1]Alexander, Tom Charles Kansas City, Mo. Econ. 180+22 Del. Tau Del.-*1363*
A.B., Stanford, 1926
Alison, E. Lucile San José Econ. 181+45 181 Roble-*1006*
A.B., Stanford, 1926
[4]Allan, Keith Christie Berkeley LD 237 Toyon
Allen, Archibald William Oakland LD 44+72 40 Encina
[12]Allen, Arden Joseph Oakland Engl. 154+83 419 Encina-*1*
[4]Allen, Edward Eugene Iowa Falls, Iowa LD ‡ 140 Toyon-*2645*
[234]Allen, Elizabeth Paine San Mateo LD 48·73+36 *222* 7th, SM-sm
[12]Allen, Ernest William Menlo Heights Educ. gr. Menlo Heights
A.B., Stanford, 1926
[4]Allen, Eunice I. Fallon, Nev. S. Educ. gr. 318 Roble
A.B., Nevada, 1924
Allen, Garland Thomas Pueblo, Colo. LD 74·40+8 224 Encina
Allen, Jack Garner San Bernardino Law 138+74 Delta Chi-*1304*
Allen, James Hamilton San Francisco LD 85+8 Sig.AlphaEps.-*1305*
[4]Allen, Marie Louise Stockton Cl. Lit. gr. 376 Roble
A.B., Kansas Wesleyan, 1917
Allen, Marjorie Sarah Los Angeles Engl.-P.Sp.192+170 ChiOm.-*1386*
A.B., Stanford, 1926
Alley, Stuart Myron Suisun LD 38+2 141 Encina-*2143*
[5]Allred, W. Lyle Logan, Utah Phys. gr. Menlo Heights-*1452*
A.B., Brigham Young, 1909; A.M., Stanford, 1925
Ambler, Alfred Carleton Palo Alto Med. gr. 902 Scott-p
A.B., Stanford, 1921, A.M., 1923

Ames, Elbert Nicholas	San Mateo	LD 72–4	309 Branner
Ames, Fred William	Phoenix, Ariz.	S. Engr. 90·47+22	6 Cabrillo-*1824*
[8]Ames, James Henry, II	Milwaukie, Ore.	LD 14–14	140 Encina
Anderson, Albert Loutrel	San Francisco	LD 56–6	Theta Xi-*1355*
Anderson, Carl William	San Mateo	Law 182+12	Theta Chi-*1383*
A.B., Stanford, 1926			
[1]Anderson, C. Travis	Garden Grove	Chem. 124·67+42	512 Encina-*1121*
A.B., Stanford, 1926			
[1]Anderson, Edward Gerald	Santa Cruz	LD 47–29	421 Kipling-p
Anderson, Edward W.	Long Beach	LD 94–5	Delta Kappa Eps.-*OO*
Anderson, George Kvelve, Jr.	Hollywood	LD 47+14	107 Encina-*812*
Anderson, Gladys	El Reno, Okla.	Hist. gr.	Madroño-*2116*
A.B., Oklahoma College for Women, 1925; A.M., Stanford, 1926			
Anderson, Harold Stephens	Anaheim	Chem.135·45+45	Sig.Al.Eps.-*1305*
Anderson, Lester Milton	Omaha, Nebr.	Engl. 120·25+16	315 Everett-p
[5]Anderson, Oscar Albin	Palo Alto	Educ. gr.	Box 269A, Rt. 1, p
A.B., Cornell College, 1921			
[2]Anderson, Richard K.	Hollywood	Germ. 89·55–2	228 Waverley-p
Anderson, Ronald Stone	Pasadena	LD 42+49	45 Encina
[4]Andreini, George L.	Redwood City	LD ‡	426 Webster, RC-rc
Andrews, California Prior	San Francisco	LD 45·45+49	246 Roble-*959*
[3]Andrews, Carroll B.	Mission Acres	Pre-Med. 135·16+20	406 Sequoia
[14]Andrews, Chester Richard	Fresno	Law 121+61	Sigma Nu-*1385*
[4]Andrews, Dorothy Adele	Sacramento	Soc.S. ‡ 16+17	330 Roble
[12]Andrews, Harry H., Jr.	Los Angeles	LD 63–15	Theta Xi-*1355*
Andrews, John Norman	Mayfield	LD 41+7	441 California, M-m
[12]Andrews, Roy M.	Breckenridge, Tex.	Educ. gr.	11 Salvatierra-*1052*
A.B., Southwestern, 1920; A.M., Stanford, 1926			
Angier, Harold Hale	Lodi	Econ. 87·93+33	Theta Xi-*1355*
A.B.,Stanford, 1926			
Ankelé, Carl Louis	San Francisco	Pre-Med. 107+18	Chi Psi-*1648*
[14]Annand, Percy Nicol	San Mateo	S. Biol. gr.	123 Ellsworth, SM-sm
B.S., Colorado Agricultural, 1920; A.M., Stanford, 1922			
Anschutz, Ralph Irving	Oakland	Econ. 180+182	Delta Chi-*1304*
A.B., Stanford, 1926			
Anthony, Arthur Bruce	Sunnyvale	Econ. gr.	Sunnyvale-s
A.B., Stanford, 1919, A.M., 1921			
[23]Anthony, Donald Elliot	Sunnyvale	Econ. gr.	Sunnyvale-s
A.B., Stanford, 1922			
[234]Antonacci, Michael Henry	San José	C.E. gr.	323 Union-*1058*
A.B., Stanford, 1924			
Antonell, Emil Brackett	Florence, Ariz.	LD 11·63+9	Kappa Sigma-*1326*
[234]Applegate,Katherine M.	WallaW'a,Wn	LD 62·80+73	332 Roble-*1632*
[6]Apponyi, Carl Edward	Los Angeles	Law 121+26	Alpha Sig. Phi-*1357*
Arata, Stephen	Stockton	LD 85+25	26 Branner-*963*
Argabrite, Marion Edith	Ventura	Econ. 8·125+93	Chi Omega-*1386*
Arkush, Albert Samuel	San Francisco	Med. gr.	2148 Post, SF-sf
A.B., Stanford, 1925			
[28]Armes, Jean Marie	San Francisco	LD 27–7	368 Roble
Armfield, John Shirley	Woodland	LD 92+137	418 Cowper-p
[3]Armitage, Richard B.	Yakima, Wash.	LD 60·13+8	Delta Chi-*1304*
Armour, Merrill	Stanford Univ.	Law 183+87	113 Encina-*1384*
A.B., Stanford, 1926			
Armstrong, Edward Dow, Jr.	Hercules	LD 33–19	306 Encina-*1532*
Armstrong, Ellis Brotton	Fortuna	LD 93+92	633 Addison-*1149*

Armstrong, Frank Howard	Palo Alto	LD 87+18	468 Lowell-p
Armstrong, Harold Stevens	Tulsa, Okla.	Min. gr.	222 Toyon-*1034*
A.B., Stanford, 1926			
Armstrong, Jerome G.	San Bernardino	LD 45+3	447 Encina-*1465*
[5]Arnoldson, Astrid H.	Missoula, Mont.	Hist. 20·131+95	242 Roble-*738*
[5]Arnstein, Eugene	San Francisco	Min. 140+101	218 Branner-*1871*
Arnstein, Richard	San Francisco	LD 48+12	221 Encina-*1871*
Arthur, Chester R.	Martinez	LD 32–25	425 Encina
[23]Arthur, James Leland	Clovis	Geol. 133+23	220 Encina-*656*
Artman, Corwin Walter	Long Beach	LD 38+19	225 Encina-*596*
Ashby, Waldo	Oakland	LD 44+8	Kappa Sigma-*1326*
[4]Ashley, Elizabeth	Woodland	Engl. ‡	Roble
[4]Atherton, Josephine H.	San Luis Obispo	Educ. gr.	218 Roble
A.B., Penn, 1910			
Atkinson, George H.	Portland, Ore.	Econ. 135·46+85	1527 Waverley-p
A.B., Stanford, 1926			
[5]Atkinson, Ray Cook	San Francisco	Zoöl. 151+93	316 Union-*2293*
Attwood, Cyril John	Centerville	Educ. 140+153	127 Branner
[4]Aurand, A. Raymond	Barrington, Ill.	Educ. gr.	233 Union-*2231*
A.B., Western Union College, 1924			
Austin, Frederick Lautz	Santa Monica	LD 64+43	25 Salvatierra-*615*
[12]Avakian, Beecher	Fresno	LD 32+18	16 Encina
Ayres, Thomas Johnston	San Diego	M.E. 94·48+39	215 Sequoia-*713*
Babcock, Clyde H.	Colorado Springs, Colo.	Law 64·131+16	235 Ramona-*2018*
A.B., Stanford, 1926			
Babcock, Lawrence Twyman	Billings, Mont	Law 134+44	Beta Theta Pi-*1335*
[4]Bachrodt, Walter Lewis	San José	Educ. gr.	590 S. 15th, SJ-sj
A.B., Stanford, 1920, A.M., 1921			
deBack, Grace	San Francisco	Phil. gr.	Pi Beta Phi
A.B., Stanford, 1926			
[23]Backman, Ralph V.	Salt Lake City, U.	Phil. gr.	514 Encina-*816*
A.B., Utah, 1926			
Bacon, Harold M.	Los Angeles	LD 93+160	104 Branner-*1144*
Badcon, Sidney Dee	Ogden, Utah	LD 47+20	445 Encina-*2503*
[1]Baddley, Elmer Rossiter	Palo Alto	S. Educ. gr.	651 University-p
A.B., Utah, 1922; A.M., Stanford, 1924			
[4]Badgley, Herbert Harland	Billings, Mont.	Educ. gr.	Main and Matadero-p
A.B., Montana, 1923			
[4]Baer, Lewis Schwarzschild	San Francisco	LD	224 Toyon-*2543*
Baer, Noel O.	Palo Alto	Educ. gr.	1027 Bryant-p
B.S., Arizona, 1922; A.M., Stanford, 1926			
Baer, Theodore F.	Salt Lake City, Utah	Econ. 127+57	111 Branner-*1721*
[12]Bagley, Francis Edgar	Menlo Park	Psych. 69·48+29	Menlo Park-mp
Bailard, Robert Edwards	Carpinteria	Econ. 135+6	112 Toyon-*I*
[12]Bailey, Arthur Edwin	Seattle, Wash.	Law 95·16–17	Delta Chi-*1304*
Bailey, Babette Frances	Sacramento	LD 62+30	Gamma Phi Beta-*1337*
[5]Bailey, Elba Norse	Los Angeles	Educ. gr.	228 Union-*876*
B.S., California, 1918			
[4]Bailey, Thomas Andrew	San José	Hist. gr.	103 N. Bascome, SJ-sj
A.B., Stanford, 1924, A.M., 1925			
Bailey, Wilbur Porter	San José	Med. gr.	113 Encina-*1212*
A.B., Stanford, 1926			
[4]Baird, Nora May	Spokane, Wash.	Hist. 67·	1027 Bryant-p
Bairos, Cyril Anthony	Pleasanton	LD 47+37	209 Encina-*2302*
Baker, Eunice K.	Watertown, N.Y.	Engl.67·115+163	30Alvarado-*1676*
A.B., Stanford, 1926			

[5]Baker, George Cook	Honolulu, T.H.	LD 5·148+3	114 Encina-*1357*
Baker, Gertrude	Home, Ore.	LD 96+98	319 Roble-*1150*
Baker, R. Frank	Osage, Ia.	LD 92+111	Alpha Sig. Phi-*1357*
[4]Baker, Waldo John	Grants Pass, Ore.	Econ. ‡	204 Union-*2457*
Baker, William Archie	San Mateo	LD 76+3	Pacific Grove-pg
[18]Baker, William Ray	Los Angeles	LD 93+42	Delta Upsilon-*1353*
Bakewell, Elizabeth Vail	Santa Barbara	LD 86+90	108 Roble-*1256*
Bakhuyzen, Henriette F.	Menlo Heights	S. Biol. gr.	Menlo Heights-*1462*
Graduate, University of Utrecht, 1920			
Balcom, Bayles Ross-Lewin	Los Angeles	Econ. 53·127+103	539 Encina-*848*
A.B., Stanford, 1926			
[6]Balcomb, Bess Gerard	Long Beach	Engl. gr.	550 Palo Alto Ave.-p
A.B., Stanford, 1908			
Balcomb, Jean Bart	Palo Alto	LD 45·49–2	335 Everett-p
Baldwin, Mary Catherine	Riverside	Pre-Med.45·101+116	164Rble-*1978*
Baldwin, Robert Irving	San José	Educ. gr.	333 N. 21st, SJ-sj
A.B., Stanford, 1926			
[1]Ball, Harvey Bryant	Palo Alto	LD 9–19	707 Middlefield-p
Ballantine, G. DuBois	Los Angeles	Econ. 95·43–9	Theta Delta Chi
Ballis, William Belcher	Portland, Ore.	LD 45+71	130 Encina
[23]Ballou, Jean M.	Los Angeles	LD 56·34+50	4 Alvarado-*2227*
Balsley, John William	Galesburg, Ill.	Econ. 95·93+43	211 Union-*95*
A.B., Stanford, 1926			
Balyeat, Frank Allen	Mayfield	Educ. gr.	436 Stanford, M-m
A.B., Oklahoma, 1911, A.M., 1918			
Bancroft, Anne Délie	Hot Springs, Ark.	Engl. gr.	Madroño-*1712*
A.B., Tulane, 1915			
Bancroft, Anne Josephine	Walnut Creek	LD 70–16	260 Roble-*1712*
Bancroft, Martin Flaherty	Walnut Creek	LD 34+1	318 Encina-*1712*
Banta, A. Perry	New York, N.Y.	C.E. 192+90	122 Toyon-*1225*
A.B., Stanford, 1926			
Barbee, Bill	Pratt, Kans.	Econ. 118+41	Alpha Sig. Phi-*1357*
Barber, Elsa Jean	Livermore	Engl. gr.	Madroño-*1337*
A.B., Stanford, 1925, A.M., 1926			
[1]Barker, Charles Omar, Jr.	Banning	LD 8–14	122 Encina-*1727*
[5]Barker, Edmund Farnsworth	Los Angeles	Econ. 104·58+15	311 Sequoia-*913*
Barker, Harry Edwin	Ventura	LD 42+3	310 Encina
Barker, H. Albert	Palo Alto	LD 46+66	633 Hamilton-p
[5]Barker, Roger Garlock	Palo Alto	LD 24·68+59	208 Escobita-p
[5]Barker, Wallace Woodward	Palo Alto	Fr. gr.	524 Middlefield-p
A.B., Harvard, 1925			
Barley, Charles Victor	San Francisco	Med. gr.	S.F. Hosp., SF-sf
A.B., Stanford, 1924			
Barmore, Merrill Gorr	Whittier	Med. gr.	563 Encina-*2531*
A.B., Whittier, 1925			
Barnard, Leonard Bryan	Niles	Med. gr.	2470 Clay, SF-sf
A.B., Stanford, 1922			
Barnes, Edwin Rexford	Ceres	S. Bus. gr.	222 Sequoia-*634*
A.B., Stanford, 1923			
[1]Barnes, Glen C.	Los Angeles	Econ. 127–16	Kappa Sigma-*1326*
Barnes, Thomas Reed	Fellows	Min. 90·139+76	540 Encina-*1116*
A.B., Stanford, 1926			
[1]Barnett, Blanch Ellen	Phoenix, Ariz.	LD 45+68	Gamma Phi Beta-*1337*
Barnett, Ellsworth L.	Santa Rosa	M.E.163+101	Al.Kap.Lambda-*658*
[1]Barnett, Eric Thornhill	Lower Lake	M.E. 193+86	Theta Xi-*1355*
A.B., Stanford, 1926			

[23]Barnett, Homer G.	Los Angeles	Math. 125+61	135 Toyon-*1797*
[4]Barnett, Owen Lee B.S., Brigham Young, 1923	Provo, Utah	Educ. gr.	466 Ruthven-p
Barnett, Thomas C.	San José	LD 51+15	233 Encina-*1012*
[4]Barnsley, Maurice Leoti	Palo Alto	LD ‡	420 Palm-p
Barr, James Holmes	Yuba City	LD 31–28	249 Encina-*1210*
[12]Barrett, Fenton Avery	Long Beach	LD 62+23	Kappa Sigma-*1326*
Barry, John Evarts	Los Angeles	LD 40+7	325 Encina-*101*
Barstow, Mary Rhodes	Alhambra	LD 44+42	Roble-*2054*
[13]Bartell, Lawrence Denny	Seattle, Wash.	Geol. 135·83+21	Kap. Sig.-*1326*
[4]Bartlett, Isabel Georgina A.B., College of the Sacred Heart, 1918	Seattle, Wash.	Fr. gr.	Menlo Park-mp
Bartlett, John Carleton	San Quentin	LD 46+2	216 Encina-*2801*
Barton, Bernard A.B., Stanford, 1926	Fresno	Chem. 90·103+95	106 Sequoia-*1402*
[1]Barton, Max Wilfred	Covelo	LD 7–14	404 Encina
Bassett, William Albert, Jr.	Los Angeles	LD 88+38	County Road-*1213*
[4]Bates, Ella Louise	Los Angeles	Educ. ‡	Roble
[1]Battelle, Thornton Herbert B.S., California, 1922	Placerville	S.Educ. gr.	510 Waverley-p
[4]Bauer, Harry Lloyd B.S., Illinois, 1914	Bakersfield	Zoöl. gr.	Pacific Grove-pg
Baum, Robert Frederick	Redwood City	LD 83–8	126 Warwick, RC-rc
[4]Bauman, Frank A. A.B., Olivet, 1914	McMinnville, Ore.	Educ. gr.	636 Gilman-p
Baumeister, Carl Jack	San Francisco	LD 85+24	750 Palo Alto Ave.
Baumgarten, Norbert Albert A.B., Stanford, 1926	Los Angeles	Pol.S. 135·52+35	328 Union-*1811*
[4]Baxter, Cleland F.	Upland	LD 78–16	Beta Theta Pi-*1335*
[23]Baxter, Philip Norman A.B., Stanford, 1925	Stockton	Zoöl. gr.	324 Union-*2284*
Bayer, Léona Mayer A.B., Stanford, 1923	San Francisco	Med. gr.	2960 Scott, SF-sf
[8]Beal, Ralph Raymond A.B., Stanford, 1912	Palo Alto	E.E. gr.	755 Hamilton-p
Bean, C. Myron A.B., Stanford, 1926	San José	Econ. 90·92+54	139 Toyon-*I*
Bean, Theron W. A.B., Stanford, 1926	Portland, Ore.	M.E. 97·102+68	333 Union-*567*
Beard, John Winter	Fort MacArthur	LD 72–4	Phi Kappa Psi-*1333*
Beard, William Gordon	Fort MacArthur	LD 84–2	Phi Kappa Psi-*1333*
Beardslee, Robert Lewis	Stockton	Law 126+152	215 Branner-*1468*
Beardsley, Charles Edward A.B., Stanford, 1925	Los Angeles	Law gr.	Santa Teresa-*1096*
Beardsley, Frank Dey A.B., Stanford, 1923	Stanford Univ.	E.E. gr.	322 Union-*532*
[4]Beaver, Mildred A.B., Stanford, 1918	Palo Alto	S. Educ. gr.	912 Waverley-p
Beck, Aileen Marie	Petaluma	Econ. 22·114+74	Kap.Al.The.-*1336*
[4]Beck, N. B. A.B., Washington, 1924	Seattle, Wash.	Engl. gr.	Beta Theta Pi
[23]Beckner, Albert C.	Palo Alto	LD 50·40–6	750 Bryant-*2721*
Beckwith, Burnham Putnam A.B., Stanford, 1926	Pasadena	Phil. 198+82	103 Branner-*1846*
Beckwith, Sterling	Pasadena	S.Engr. 148+80	250 Toyon-*1846*
[4]Beddome, James B. A.B., Queen's University, 1914	Reuelstoke, B.C.	Educ. gr.	226 Union

Beemer, Halsey Lawrence — Santa Maria — LD 40+0 — 137 Encina-*1756*
Beer, Kenneth Verrender — SaltLakeCity,U. — Math. 47·134+32 — 251 Toyon-*907*
A.B., Stanford, 1926
Behle, Calvin A. — Salt Lake City, U. — LD 94+51 — AlphaTauOmega-*1952*
Behlow, Charles John — San Francisco — S.Engr. 126–12 — 310 Sequoia-*1067*
Behnke, Albert Richard, Jr. — Rivera — Med. gr. — 563 Encina-*2823*
A.B., Whittier, 1925
[28]Belcher, Stanley Smith — Marysville — Hist.29·138–11 — Kappa Sigma-*1326*
[4]van der Belen, Jacques — Brussels, Belgium — Econ. gr. — 11 Toyon-*911*
Graduate, Louvain University, 1924
[3]Bell, Burnby McKean — Astoria, Ore. — LD 32·14–10 — 30 Asbury, SJ-sj
Bell, Danily C. — San Anselmo — LD 28+8 — 105 Encina-*2581*
Bell, Helen Elizabeth — Los Angeles — LD 44+54 — 178 Roble-*1783*
[124]Bell, Mary A. — Denver, Colo. — Psych. gr. — Madroño
A.B., Colorado, 1925
[5]Bell, Mary Esther — S. Pasadena — S.Educ. gr. — Roble
A.B., Stanford, 1926
[24]Bell, Reginald — Palo Alto — Educ. gr. — 127 Harriet-*3009*
A.B., Oberlin, 1916
Bellows, George Kingsley — La Jolla — LD 21–13 — 309 Encina-*2015*
Bendetson, Karl R. — Aberdeen, Wash. — LD 43+27 — 423 Encina-*2209*
[124]Benedict, Charles Keep — Palo Alto — Chem. 109–3 — Alpha Delta Phi-*J*
Benepe, Wesley Uhl — Sebastopol — Econ. 5·182+57 — 207 Branner-*1101*
A.B., Stanford, 1926
[234]Benjamin, Georgiana K. — Palo Alto — Engl. gr. — 889 Stanford-*1037*
A.B., Oregon, 1919; A.M., 1920
Benjamin, Harold Raymond — Palo Alto — Educ. gr. — 301 Stanford-*1037*
A.B., Oregon, 1920, A.M., 1924
[4]Bennett, Arthur Walfred — Pasadena — Educ. gr. — 329 Union-*1363*
Ed.B., California, 1926
Bennett, Harry M., Jr. — Hollywood — LD 121+38 — Delta Chi-*1304*
[4]Bennett, Margaret Elaine — Pasadena — Hist. gr. — 940 Waverley-p
A.B., Stanford, 1918, A.M., 1919
Bennett, Victor Wilson — Frostburg, Md. — Econ. gr. — 12 Union-*1935*
A.B., Pennsylvania College, 1917
Bennetts, Fred Alford — Mountain View — Med. gr. — 2402 California, SF-sf
A.B., Stanford, 1925
[24]Benninger, Charles, Jr. — San Francisco — Chem. 176+37 — Delta Tau Delta
[4]Bennink, Lois Margaret — Madera — Educ. gr. — 318 Roble-*2726*
A.B., Whittier, 1919
[14]Benson, Albert Niles — Decoto — Educ. 61+47 — Menlo Park
Benson, Cecil Raney — Santa Clara — E.E. gr. — 1515 Franklin, SC-sc
A.B., Stanford, 1925, Engineer, 1926
Benson, Ellis Raney — Santa Clara — Econ.113·50+14 — 1515 Frkln.,SC-sc
[4]Benson, Richard — San Mateo — Educ. gr. 211 Grand Blvd., SM-sm
B.S., Oregon Agricultural, 1925; A.M., Washington, 1926
[5]Bentley, Lucie Freeman — Los Altos — Engl.-P.Sp. 60·62+48 — 281 Roble
Benton, D. Newell — Eureka — LD 4·80+39 — 205 Branner-*545*
Berger, Philip Raymond — Oakland — Soc.S.-Jn. 181+213 — 109 Brnr.-*1541*
A.B., Stanford, 1926
[4]Bergman, Carl Joseph — Big Pine — Educ. gr. — 445 Hamilton-p
A.B., Augustana, 1910
Bering, Barry F. — San Francisco — M.E. 187+125 — 247 Branner
A.B., Stanford, 1926
Bering, Donald A. — San Francisco — M.E. 153+126 — 247 Branner
[3]Bermudez, Domingo T. — La Union, P.I. — Engl. 135·3–5 — 625 Hamilton-p

[4]Berner, Hubert H.	San Jose	LD ‡	305 Lytton-p
Bernhard, Lazare Fred	Los Angeles	LD 46+44	208 Encina-*1903*
[4]Bernheim, Marcia Mary	San Francisco	LD ‡	Roble
[5]Bernreuter, Robert Gibbon A.B., College of the Pacific, 1924	Chico	Psych. gr.	306 Union-*1432*
[4]Berrien, William Josef	Hollywood	LD sp. 37+59	421 Kipling-p
Berry, Kenneth Charles	San Francisco	LD 43+2	110 Encina-*1042*
Berry, Lowell W. A.B., Stanford, 1926	Asotin, Wash.	Econ. 181+27	304 Union-*2562*
Berry, Othmar Berarde A.B., Stanford, 1924	Palo Alto	S.Bus. gr.	1196 Hamilton-p
[5]Berry, Willard Elwin	Palo Alto	Pre-Med. 167+59	853 Channing-p
Best, William E. A.	San Mateo	S.Engr. 104+0	Theta Xi-*1355*
[4]Betts, Gilbert Lee B.S., McPherson, 1921	Los Angeles	Educ. gr.	202 Toyon
[34]Bever, Clarence Lloyd	Filer, Idaho	LD 101–6	223 Toyon-*1441*
Biaggini, Albert	San José	LD 91+88	Delta Chi-*1304*
[3]Bianchi, Fred August	Ventura	LD 12–2	436 Encina
[4]Bianchi, Tito Julius	San Francisco	LD	139 Toyon
[12]Bickerton, Haughton C.	Menlo Park	LD 78–27	Menlo Park-mp
[4]Biddulph, Herbert Kemp B.S., Greenville, 1910	Los Angeles	Educ. gr.	Buena Vista Camp
Bidwell, Lillian Follis A.B., Stanford, 1925, A.M., 1926	Glendora	S.Educ. gr.	Manzanita
[1]Bielefeldt, Talbot A.B., Stanford, 1925	Placentia	Pol.S. gr.	561 Middlefield-*2059*
Bierer, Everard	Salt Lake City, Utah	LD 47·44–4	248 Encina-*52*
[2]Bigelow, James K.	San Francisco	LD 32–24	28 Alvarado-*1743*
[12]Bigelow, Schuyler A.B., Stanford, 1926	Santa Ana	Econ. gr.	133 Toyon-*1855*
[23]Bigham, Truman Cicero A.B., Baylor, 1920; A.M., Chicago, 1925	Chicago, Ill.	Econ. gr.	543 Byron-p
Bigler, Alexander Bowman A.B., Stanford, 1926	Santa Maria	Chem. 130·60+32	625 Hamilton
[2]Billard, Marguerite A.M., Smith, 1919	Mills College	Fr. gr.	427 Embarcadero-p
Billig, Harvey Ellsworth	Long Beach	LD 49·51+47	23 Encina-*1801*
[234]Bilz, August Michael A.B., Drake, 1925	Des Moines, Ia.	Law gr.	330 Union-*2671*
Bing, Dana Gerald	Grass Valley	LD 35+0	306 Encina-*1782*
Bingham, Herbert Mackay B.S., Pennsylvania, 1924	Butte, Mont.	Law gr.	232 Union-*1305*
[5]Binkley, Charles H.	Cobb	LD 94+89	Community House-*1245*
[23]Binkley, Christine	Redwood City	LD ‡33+36	545 Cassia, RC-rc
[4]Binkley, Mary Elizabeth	Cobb	Educ. 44·39+21	Madroño
[4]Binkley, Ralph Putnam A.B., California, 1923, A.M., 1924	SanJuanBautista	Educ. gr.	318 Lytton-p
[5]Binkley, Robert Cedric A.B., Stanford, 1922, A.M., 1924	Cobb	Hist. gr.	927 Webster-*1245*
Binkley, Thaddeus C. A.B., Stanford, 1926	S. San Francisco	C.E.180+157	406 Baden, SSF-*1245*
Birch, Harry DeGray	Sausalito	LD 43+14	353 Encina
[4]Birch, Rebecca Marshall	San Francisco	LD ‡	Redwood City-rc
Birchett, Joseph Anderson	Tempe, Ariz.	LD 45·45+57	322 Encina-*1832*
[4]Bird, Helen Dorothy A.B., Carthage, 1923	North Platte, Nebr.	Span. gr.	309 Roble

[4]Bishop, Frank Edward A.B., Nebraska Wesleyan, 1916	Oakland, Nebr.	Educ. gr.	761 Bryant-p
[1]Bishop, James Hall, Jr.	San Francisco	LD 11–26	Alpha Delta Phi-*J*
Bishop, Jerome Holland, III	Pasadena	LD 45+16	210 Encina-*2101*
[12]Bissinger, Paul A. A.B., Stanford, 1926	San Francisco	Hist. 182+76	218 Branner-*1030*
Bitterlin, Joe François	Santa Monica	LD 47+59	352 Encina-*616*
deBivort de la Saudée, Hervey G.	Stan.U.	LD 86+64	Kingscote-*1574*
Black, Elizabeth Harris A.B., Mills, 1924	Pasadena	S.Educ.gr.	AlphaOmicronPi-*1367*
Black, William Carter	Hollywood	LD 48+38	251 Encina
[5]Black, Winston C.	Salt Lake City, Utah	Law 38·111+17	ThetaDel.Chi-*1828*
Blackford, James McNeal	Libby, Mont.	Law 144+43	116 Branner-*1120*
Blackford, John Lindesay	Libby, Mont.	Law 137+127	116 Branner-*1120*
[12]Blackman, Chester Wiggin	Los Angeles	Pol.S. 93+130	256 Toyon-*1884*
[12]Blackwelder, Margery	Stanford Univ.	LD 75+4	Encina Road-*NN*
Blackwelder, Martha Jean	Stanford Univ.	LD 41+34	Encina Road-*NN*
Blair, Waddington	San Francisco	LD 94+64	111 Toyon-*1000*
Blake, Andrew Cobb	Santa Barbara	LD 36·46+18	402 Encina-*1906*
[4]Blanchard, Everett Ellis A.B., Stanford, 1919	San Mateo	S.Educ. gr.	231 Ellsworth, SM-sm
[4]Bland, Irving Jay A.B., Cornell, 1926	Mount Vernon,.N.Y.	Law gr.	304 Union-*2257*
[34]Blanks, Anthony Faulkner A.B., Vanderbilt, 1905, A.M., 1906; A.M., Ohio Wesleyan, 1913	Berkeley	Engl. gr.	16 Alvarado
[4]Blase, Fred Woodward A.B., DePauw, 1913; A.M., California, 1925	Redwood City	Hist. gr.	256 Fulton, RC-rc
Blazier, Harold Emery	Portland, Ore.	Soc.S. 136+39	PhiGam.Delta-*1324*
Bledsoe, Leighton McLellon A.B., Stanford, 1926	Bisbee, Ariz.	Law gr.	SigmaAlphaEpsilon-*1305*
[4]Blosser, Fred Claire A.B., Stanford, 1925	Fresno	Educ. gr.	Theta Delta Chi-*1383*
Bly, Albert M.	Los Angeles	LD 88+15	Delta Chi-*1304*
[5]Blythe, William Lucian	Palo Alto	LD 57+19	381 Channing-p
Boardman, Albert Drown	San Francisco	S.Engr.135+0	Sig.AlphaEps.-*1305*
[5]Bobb, Arthur Earl A.B., Stanford, 1926	San José	S.Educ. gr.	395 S. 13th, SJ-sj
[3]Bodansky, Meyer A.B., Cornell, 1918; A.M., Texas, 1922; Ph.D., Cornell, 1923	Palo Alto	Anat. gr.	235 Ramona-*682*
[4]Bodley, Ellison Wilhelmina A.B., Stanford, 1913	Palo Alto	Germ. gr.	1535 Bryant-p
Boeseke, Felecita Elisa A.B., Stanford, 1926	Santa Barbara	Econ. 180+109	DeltaDel.Del.-*1325*
Bogue, George Richardson	Burlingame	Econ. 141+61	139 Toyon-*I*
Bohne, Emmitt Jullion A.B., Stanford, 1926	Mt. Pleasant, Utah	Hist. 114·70+44	1035 Bryant-p
[5]Bolenbaugh, Lawrence B.S., Coe, 1925	Palo Alto	Educ. gr.	704 Bryant-p
Bolman, Marion DeWolfe A.B., Stanford, 1926	Palo Alto	Hist. 24·161+164	467 Lincoln-*1337*
Bolman, Robert Hill	Palo Alto	Econ. 131+29	467 Lincoln-p
Bolton, Robert Elmer	Casper, Wyo.	Chem. 141+41	141 Toyon-*60*
Bonar, Perry Arthur A.B., Stanford, 1925	Santa Rosa	Med. gr.	2900 Pacific, SF-sf
Bonner, Doris Rozella	Fresno	Econ. 6·102+54	Pi Beta Phi-*1332*
Boodberg, Alex A.	Menlo Park	LD 93+12	Menlo Park-mp

Boodberg, Paul — Menlo Park — E.E. 81·113+46 — Menlo Park-mp
A.B., Stanford, 1926
Booker, Don Raymond — Dayton, Wash. — LD 42–10 — 246 Encina-*1872*
Boomer, Herbert Harry, Jr. — Spokane, Wn. — LD 42+36 — 111 Encina-*2194*
[4]Boone, Eleanor Sims — Hayward — Zoöl. gr. — Carmel-c
A.B., Mills, 1926
Boone, Frances Elizabeth — Palo Alto — LD 55+25 — Roble
[13]Boone, John Marshall — Baltimore, Md. — LD 65–25 — 508 Encina
[234]Boone, Thomas Harold — Stanford Univ. — Bact. 147+84 — Kingscote-*1648*
Borden, Frederic Wallace — San Francisco — Med. gr. — 1066 Hampshire, SF-sf
A.B., Stanford, 1925
[4]Borden, Joseph Clarence — Palo Alto — LD — 730 Bryant-p
Borden, Lemuel Perry — Palo Alto — LD 90+11 — 730 Bryant-p
[3]Boren, Raitt S. — Oakland — Law 136–17 — 131 Toyon-*2179*
[4]Borges, Mary Julia — Oakland — LD sp. 11–8 — 207 Roble
Borley, Roswell Donald — Mishawaka, Ind. — Med. gr. — 2402 California, SF-sf
A.B., Stanford, 1925
Borley, William Edgar — Mishawaka, Ind. — Pre-Med. 45·92+27 — Sequoia
Born, Maynard Robert — Burlingame — LD 48+22 — 916 El Camino, B-b
[4]Borquist, May Annette — Portland, Ore. — Zoöl. gr. — Pacific Grove-pg
A.B., Reed, 1923
[23]Boscoe, Anthony R. — Stockton — LD 54+26 — 528 Encina-*2353*
[4]Bosworth, Abbie Louise — Elgin, Ill. — Educ ‡ — 209 Roble
[12]Botsford, P. Paul — Edina, Mo. — Hist. 94·88+41 — 506 Encina
A.B., Stanford, 1926
[2]Botto, Armando Beneditto — Palo Alto — LD 12–6 — 501 Webster-p
[1]Bourquin, Fred Raymond — Santa Barbara — LD 71–15 — Theta Chi-*1383*
[23]Boutell, Henry S., II — Santa Barbara — LD 42·0–16 — 30 Encina
Bovet, Antoine Francis — San Mateo — LD 57+24 — 205 Encina
Bovet, Raymond C. — San Mateo — LD 58+29 — 205 Encina
Bowen, Dorothy — Los Angeles — Engl. 5·124+147 — 340 Roble-*1471*
Bowen, Kenneth Leroy — Tulare — LD 39·47+32 — Sunnyvale-s
[12]Bowen, Ruth Grant — Atherton — LD 54–13 — Kap. Alpha Theta-*1336*
[5]Bower, B. Dorothy Horr — Menlo Park — Zoöl. 129+20 — Menlo Park-mp
Bower, Leon M. — Palo Alto — Hist. gr. — 935 Boyce-p
A.B., Denison, 1920; A.M., University of Hawaii, 1923
Bowers, Fred Alex — E. San Gabriel — LD 28–10 — 407 Encina-*1702*
[3]Bowers, Nathan Abbott — Burlingame — C.E. gr. — 809 Fairfield, B-b
B.S., Rose Polytechnic Institute, 1910, C.E., 1921
Bowker, Frances Josephine — Berkeley — LD 47+41 — 333 Roble
Bowman, Frank F., Jr. — Madison, Wis. — Geol. gr. — Chi Psi-*1648*
A.B., Wisconsin, 1925
Boyd, Frederick Arthur — San Francisco — LD 35–25 — 207 Encina
Boyes, Joseph Harold — San José — Pre-Cl.90·100+117 — 90Sngtry, SJ-sj
A.B., Stanford, 1926
[12]Boynton, Katharine — San Francisco — Soc.S. 52·91+104 — Al. Om. P.-*1671*
Boynton, Robert Davis — San Francisco — E.E.11·218+178 — PhiGam.Del.-*1324*
A.B., Stanford, 1926
[12]Bradbury, Roscoe Clifford — Wintersburg — LD 33–16 — Atherton
[4]Bradford, Lilah — Portland, Ore. — S. Educ. gr. — 357 Roble
A.B., Oregon, 1911
Bradley, George Ethelbert — Santa Ana — LD 94+85 — Alpha Sigma Phi-*1357*
Bradley, John Allen — Santa Ana — C.E. 184+66 — AlphaSigmaPhi-*1357*
A.B., Stanford, 1926
[23]Bradshaw, Elizabeth Louise — Piedmont — LD 30+17 — 370 Roble

[1]Bradshaw, Roch William A.B., Stanford, 1923	Palo Alto	S.Educ. gr.	459 Hamilton-p
[5]Bradshaw, William Lawrence A.B., Stanford, 1924	Los Altos	Law gr.	Los Altos-*1024*
Brady, Earl Clyde	Helena, Mont.	Law 45·105+96	Sigma Chi-*628*
[24]Brady, Raymond Archbold	SanFrancisco	Pre-Med. 90·9–5	212 Sequoia-*2404*
[4]Braem, Selma	Alma, Wis.	Econ. 94·18+18	262 Roble
[4]Brailsford, Beatrice L. A.B., Stanford, 1925	Hagerman, Idaho	S.Educ. gr.	108 Roble-*2425*
Bramhall, Ervin Hicks A.B., Stanford, 1926	Palo Alto	E.E. 181+49	131 Kellogg-p
Bramkamp, Lynn Alden	San José	LD 92+102	219 Sequoia-*945*
Bramkamp, Robert Greenleaf A.B., Stanford, 1926	Banning	Chem. 128·60+78	326 Union-*1321*
Brandt, Fred L. A.B., Stanford, 1926	Stockton	M.E. 90·91+8	505 Branner-*1681*
Brandt, Louis James	Bakersfield	LD 43·98+9	Delta Chi-*1304*
Brandt, Ralph Heck	San Francisco	S.Engr.119·39+21	303Sequoia-*2731*
[4]Branigan, John B.S., Nebraska, 1915	Gilbert, Ariz.	Educ. gr.	602 Cowper-p
Bransten, Edward	San Francisco	LD 88+38	126 Branner
[4]Bransten, Richard	Menlo Park	Engl. ‡	Menlo Park-mp
[2]Braunschweiger, Elise E.	Palo Alto	LD 51–12	201 Middlefield-p
Brazil, Anthony A.B., Stanford, 1923, J.D., 1926	San Luis Obispo	Law gr.	8 Cabrillo-*1644*
Breeze, Thomas Hamilton, Jr.	San Mateo	LD 84–5	Alpha Tau Omega-*1384*
Brem, Lorna	Los Angeles	LD 94+40	Chi Omega-*1386*
[4]Brennecke, Marie	Montrose, Colo.	LD ‡	Roble
[5]Brenner, James Emmet Graduate, U.S. Naval Academy, 1913	Palo Alto	Law gr.	1044 Hamilton-p
[4]Brenner, Ralph Judson	Valparaiso, Ind.	LD ‡	1044 Hamilton-p
Brewster, Hughes	Dixon, Illinois	LD 98+77	249 Branner-*1733*
Bridges, Josiah Alston	Los Angeles	LD 44+35	203 Encina
[1]Bridgman, Lloyd A.	Witten, S.D.	LD sp. 90+109	331 Encina-*1501*
Briggs, Ackerman	Santa Monica	Econ. 124+37	Beta Theta Pi-*1335*
Briggs, Charles Willers A.B., Stanford, 1926	Los Angeles	Min. gr.	Sigma Nu-*1385*
[4]Briggs, Elsie Elizabeth A.B., San Jose State Teachers College, 1924	San José	Educ. gr.	343 S. 2d, SJ-sj
Bright, Harry Louis	San Francisco	LD 48+32	127 Encina-*2372*
Brink, Holden Edmund	Portland, Ore.	LD 47+40	39 Encina-*43*
Brinkerhoff, David E. A.B., Southern California, 1923	Los Angeles	Med. gr.	2321 Sacramento, SF-sf
Britten, Clyde Harold	Exeter	Chem. 133+88	115 Branner-*1855*
[5]Brix, Ted Frederic	Fresno	LD 43+27	438 Encina-*1235*
Brock, George A.	South Pasadena	Econ. 108·56–6	Zeta Psi-*B*
[4]Brock, Harris Haiden	Fresno	LD 14–18	720 Cowper-p
Brockway, Maywood L.	Palm Beach, Fla.	Law 172+32	1085 University-p
Brode, James B.S., College of City of New York, 1921; A.M., Missouri, 1922	New York, N.Y.	Engl. gr.	323 Union-*533*
Broenkow, Herman Walter A.B., Stanford, 1925	Tacoma, Wn.	Law gr.	330 Waverley-p
[1]Brolyer, Cecil Robert A.B., Stanford, 1923	Stanford Univ.	Psych. gr.	527 Encina-*866*
Bronson, Lewis Elmer	Red Bluff	LD 90+54	117 Toyon-*1771*
Brooker, Edgar	Kodiak, Alaska	Min. 158+98	365 Guinda-p

Brooks, Baylor — Los Angeles — LD 89+18 — 104 Branner-*594*

[4]Brooks, Irene Lucile — El Centro — Fr. gr. — 205 Roble
A.B., Stanford, 1918

Brooks, Karl — Stanford Univ. — Law gr. — Phi Delta Theta-*1334*
B.S., Dartmouth, 1923; J.D., Stanford, 1926

Brooks, Phillip Terrill — San José — M.E. gr. — 205 Union
A.B., Stanford, 1926

[5]Brooks, Phillips Gardner — Honolulu, T.H. — Econ. 116+0 — Phi Delta Theta-*1334*

Brower, John Daniel — Mill Valley — LD 32+6 — 449 Encina-*2035*

Brown, Aileen Maude — Sacramento — Econ. 8·112+95 — Al. Omic. Pi-*1367*

Brown, Bert Elmer — Livermore — LD 23·44+32 — 202 Encina-*2703*

[4]Brown, Carvel Dolbeer — Eureka — LD ‡ — 213 Toyon

[5]Brown, Charlotte Hall — Riverside — Hist. 172+132 — Kap.Kap.Gam.-*1354*

Brown, David Ewald, Jr. — Oakland — Chem. gr. — 409 Sequoia-*1026*
A.B., Stanford, 1925

Brown, Donald MacKenzie — Los Angeles — LD 9·29+34 — 109 Encina-*687*

Brown, Donald Merritt — Taft — LD 43+14 — 13 Encina-*1081*

Brown, Dorothy Baily — San Francisco — LD 41+41 — 321 Roble-*872*

Brown, Earnest Hume — Los Angeles — LD 90+61 — 140 Branner-*2017*

Brown, Evalyn L. — Winnemucca, Nev. — LD 94+94 — Delta Delta Delta-*1325*

Brown, Harmon Clifford — Riverside — Law 90·99+13 — 247 Toyon-*1102*

Brown, Hugh Harrison — Palo Alto — Phil.132+39 — Delta Tau Delta-*1363*

[23]Brown, Kenneth Ansel — Eureka — LD 39·32–5 — 214 Branner-*2761*

Brown, Kenneth Clinton — Sacramento — LD 109+14 — Phi Sigma Kappa-*538*

Brown, Leon Bernard — Los Angeles — Law 181+255 — 202 Toyon-*1*
A.B., Stanford, 1926

[4]Brown, Lillian Harrison — San Francisco — Soc.S. gr. — 38 Lasuen
A.B., Stanford, 1920

Brown, Marshall Roberts — Palo Alto — LD 26–6 — 567 Kingsley-p

Brown, Morden Grant — Palo Alto — LD 44+38 — 1013 Ramona-p

Brown, Norton Sager — Palo Alto — Med. gr. — 2211 California, SF-sf
A.B., Stanford, 1925

[5]Brown, Robert Francis — Los Angeles — C.E. 82·50+66 — 853 Middlefield-p

[24]Brown, Russell R. — Montrose, Colo. — S.Educ. gr. — 415 Lytton-p
A.B., Western State College, 1922

[4]Brown, Ruth Wentworth — Los Angeles — Cl.Lit gr. — 18 Alvarado-*2576*
A.B., Southern California, 1903; A.B., Stanford, 1904, A.M., 1912

[4]Brown, Walston Shepard — Coronado — LD — 114 Toyon

[12]Brown, Walter Ambrose — Keyes — Econ. 90·73–20 — 219 Sequoia

[1]Browne, Lafe Todd — Santa Paula — Zoöl. 181+49 — Sig. Alpha Eps.-*1305*
A.B., Stanford, 1926

[12]Brownell, Evelyn B. — Stanford Univ. — Engl. 27·123+101 — Kingscote-*1125*

Brownstone, Louis H., Jr. — San Francisco — Econ. 134+214 — 107 Branner-*1892*

Bruce, N. Alfred — Elko, Nev. — Soc.S.-Jn.118·76+40 — 313 Un.-*1882*
A.B., Stanford, 1926

[2]Bruce, Raymond Robert — Phoenix, Ariz. — LD 83+53 — Phi Sigma Kappa

Bruml, Leonard Foote — Palo Alto — Pre-Clin.192+294 — Sig.A.Eps.-*1305*
A.B., Stanford, 1926

[2]Brunet, Joseph — Stanford Univ. — Fr. gr. — Cedro Cottage
A.B., Stanford, 1923, A.M., 1924

Brunner, William Harold — Palo Alto — Law 135+108 — 409 Fulton-p

[23]Brunnier, Henry John — San Francisco — LD 29+18 — 410 Encina-*2206*

[4]Brunton, Delbert — Palo Alto — Hist. gr. — 526 University-p
A.B., Stanford, 1905

[1]Brush, Sandye — Pine Knot — LD — Roble

[5]Bryan, Darwin — Suisun — Law gr. — Phi Kappa Psi-*1333*
A.B., Stanford, 1926

[1]Bryant, Edwin Francis — Marysville — Chem. 180+77 — 115 Toyon-*5*
A.B., Stanford, 1926

Bryant, Howard Selva — San José — Min. gr. — 304 Toyon-*531*
A.B., Stanford, 1925

Bryant, Ralph Walter — Marysville — LD 77–6 — Phi Sigma Kappa-*538*

Bryant, Wesley Byron — San Diego — Econ.66·56+54 — PhiDel.Theta-*1334*

Bryner, Claude Albert — Palo Alto — E.E. 222+29 — 622 Palo Alto-p
A.B., Stanford, 1926

Buchanan, A. Russell — Palo Alto — Hist. 143+152 — Palo Alto-Box431,p

[5]Buck, Frederick — Palo Alto — Soc.S.-Jn.3·165+56 — 200Portola-*664*

Buckwalter, John Cassel — Palo Alto — M.E. gr. — 1511 Waverley-p
A.B., Stanford, 1924

Buckwalter, William Wright — Palo Alto — LD 38–15 — 140 Encina

Buddenhagen, Harold J. — Palo Alto — Geol. 128·81+71 — 240 Bryant-p
A.B., Stanford, 1926

Bugge, Elwyn Baidon — Palo Alto — Econ. gr. — 318 Lincoln-p
A.B., Stanford, 1926

[5]Bullard, Frederick Gray — Piedmont — LD 87+13 — Phi Gamma Delta-*1324*

Bullis, John Albert — Los Angeles — LD 90+90 — Beta Theta Pi-*33*

[1]Bullis, William A. — Los Angeles — Law gr. — Beta Theta Pi-*33*
A.B., Stanford, 1925

[12]Bunnell, Virginia — Los Angeles — LD 90+114 — Gamma Phi Beta-*1337*

Burbank, William Winston — Long Beach — Pre-Med.97·47+28 — PhiSig.Kp.-*538*

Burchell, Stanley Lebaron — Salinas — Econ. 138+28 — Theta Chi-*1383*

[12]Burck, Gail Johnson — Los Angeles — Law 114+2 — Alpha Delta Phi-*J*

[5]Burger, Frances Bellamy — San Diego — Engl. 89+105 — Alpha Phi-*1915*

Burgess, Charles Preston — Birmingham, Ala. — LD 118+24 — 240 Branner-*1226*

Burgess, Dorothy Grace — Bozeman, Mont. — Bot. gr. — 834 Kipling-*573*
B.S., Montana State College, 1923; A.M., Stanford, 1925

[4]Burgess, James M. — Heppner, Ore. — Educ. gr. — 121 Byron-p
A.B., Oregon, 1919; A.M., Stanford, 1925

[12]Burgess, Keith — Pomona — Econ. 182+47 — 550 Kingsley-p
A.B., Stanford, 1926

Burk, Lucile — Madera — LD 96+190 — 171 Roble-*2113*

[23]Burke, William Henry — Los Angeles — LD 23+0 — 348 Encina-*2108*

Burkhard, William G. — San Francisco — Med. gr. — 1348 Dolores, SF-sf
A.B., Stanford, 1923

Burks, Aileene Sabina — Venice — Engl.-P.Sp.68·119+25 — K.Kp.Gam.
A.B., Stanford, 1926

Burks, Barbara Stoddard — Palo Alto — Psych. gr. — 337 Hamilton-p
A.B., Stanford, 1924

[5]Burks, Dana, Jr. — Menlo Heights — Chem. gr. — Santa Cruz Rd.-*1473*
A.B., Stanford, 1924; A.M., 1925

[4]Burks, Virginia — Venice — S.Educ. gr. — 217 Roble
A.B., Stanford, 1923

Burlingame, Lucile Anna — Stanford Univ. — S.Biol. 155+111 — Sigma Kappa

Burlingame, Mildred Edith — Stanford Univ. — Psych. gr. — 24 Alvarado-*1455*
A.B., Stanford, 1925

Burnett, Clarence Irvin — San Francisco — Med. gr. — 1905 Laguna, SF-sf
A.B., Stanford, 1923

Burnett, Martha Argués — San José — Engl. 47·91+60 — Alpha Phi-*1387*

Burney, Dudley Haskell — Denver, Colo. — Hist. gr. — 332 Forest-*56*
A.B., Stanford, 1925; A.M., 1926

Burns, Charles Wesley, Jr. — San Francisco — S.Bus. gr. — 640 Tennyson-p
B.S., Wesleyan, 1925

Burns, Douglas Erickson	Ojai	Econ. 131+9	Delta Chi-*1304*
Burns, Louisa Rochat	San Mateo	LD 45·41+29	*237* Roble-*2523*
Burns, Robert Edward	San Francisco	LD 43+68	139 Encina-*2711*
[4]Burns, Sarah Margaret	Pasadena	Educ. ‡	*362* Roble
Burrell, Kenneth Hare	Oakland	Econ.5·177+88	Al.Kp.Lambda-*658*
A.B., Stanford, 1926			
Bursch, Charles Wesley	Palo Alto	Educ. gr.	370 Amherst-*852*
B.S., Kansas State Teachers College, 1918; A.M., Stanford, 1926			
[1][3][4]Burton, Grant Arthur	Walnut Creek	LD 75+84	Sigma Nu-*1385*
Busby, Beryl	Santa Ana	Econ. 55·125+97	Alpha Phi-*1387*
A.B., Stanford, 1926			
Busby, John, Jr.	Spokane, Wash.	LD 44+13	415 Encina-*2612*
Busch, Burt W.	Ukiah	Law 138+34	313 Toyon
Busch, James Elmer	Ukiah	LD 77+7	313 Toyon
[12]Bushnell, George Harley	San Francisco	Econ. 109–15	Beta Theta Pi-*1335*
[4]Bussman, Dona	San Francisco	LD ‡	Roble
[3][4]Butler,H.Bayford FederatedMalayStates		LD *92–7*	*232* Lytton-*2234*
[5]Butler, W. Hervey	Los Angeles	Min. gr.	Theta Xi
A.B., Stanford, 1926			
Butt, Edward Merchant	San Francisco	Med. gr.	1925 Pierce, SF-sf
A.B., Stanford, 1924			
[13]Butte, Myers Persohn	Los Angeles	LD 23–6	*437* Encina
Butterbaugh, Don Kay	Long Beach	LD 27–10	44 Encina-*673*
Butterfield, Albert	Chino	Med. gr.	2215 Buchanan, SF-sf
A.B., Southern California, 1922			
[4]Button, Albert R.	Long Beach	Law gr.	248 Mariposa-p
A.B., Stanford, 1925			
Buttrey, Elmer Mervin	Craigmont, Idaho	Hist. 132+22	*227* Sequoia-*644*
[5]Butzbach, Arthur Graham	San José	Law 90·87+34	290 N. 10th, SJ-sj
[12]Byrne, Carlton Earley	Santa Cruz	Engl-P.Sp.144+157	223Toy'n-*1468*
Byrne, John Drennan	Santa Cruz	LD 101+63	235 Toyon-*1604*
[23]Byrne, Wayne Ronald	Long Beach	LD 25+32	402 Encina-*2592*
[23]Byrns, Marion Louise	Palo Alto	Engl. gr.	407 Cowper-p
A.B., Idaho, 1920; A.M., California, 1923			
[4]Caffrey, Elizabeth Mary	San Francisco	LD ‡	Roble
[12]Cairns, Earl W.	Pasadena	Econ. 182+24	Alpha Delta Phi-*JJ*
A.B., Stanford, 1926			
Caldwell, Philip Graham	Piedmont	LD 46+70	*223* Encina
[5]Calkins,RobertDeblois	Williamsburg,Va.	Econ. gr.	10 Union-*3007*
A.B., William and Mary, 1925			
Call, Harry William	Eureka	LD sp. 92+63	104 Sequoia-*81*
[1]Callander, Ellen	Fargo, N.D.	Span. 180+271	Kap.K.Gam.-*1354*
A.B., Stanford, 1926			
[12]Calvert, William Nixon	Los Angeles	LD 63–17	407 Waverley-p
[4]Cameron, Allan	Oakland	LD	1 San Juan
Cameron, Clifford S.	Aberdeen, Wash.	C.E. 184+85	*229* Branner-*2271*
A.B., Stanford, 1926			
[4]Cameron, Howard McD.	Ft. Scott, Kans.	Soc.S. gr.	947 Waverley-p
B.S., Kansas State Teachers College, 1925			
Cameron, Meribeth Elliott	Stanford Univ.	Hist. gr.	14 Kingscote-*1325*
A.B., Stanford, 1925, A.M., 1926			
Campbell, Ian James	San Mateo	M.E.199+34	660 ElCamino,SM-sm
A.B., Stanford, 1926			
Campbell, John Marshall	Laredo, Texas	LD 48+73	112 Encina-*2155*
[12]Campbell, Thomas Allen	Phoenix, Ariz.	Law gr.	Beta Theta Pi-*1335*
A.B., Stanford, 1925			

Campbell, Walter McNutt, Jr. Alhambra LD 108+43 Alpha Sigma Phi-*1357*
Canfield, John Charles Cat Creek, Mont. LD 75+35 125 Branner
[5]Canfield, Laurence P. Santa Cruz Ed.G.A. 167+22 Sigma Chi-*628*
Cann, George Arthur Reno, Nev. Med. gr. *2321* Sacramento, SF-sf
A.B., Nevada, 1923
Cann, William Silas Reno, Nev. Med. gr. *2321* Sacramento, SF-sf
A.B., Nevada, 1923
Cannon, Alfred Richard Millbrae LD 84+3 Theta Xi-*1355*
[5]Cannon, Robert Proctor Palo Alto Geol. 63·93+15 301 Addison-*1232*
[12]Capell, Katherine F. Council Bluffs, Ia. Hist. 180+286 Del.Del.Del.-*1325*
A.B., Stanford, 1926
Carew, M. Louise Youngstown, Ohio Engl. gr. Manzanita-*2037*
A.B., College of New Rochelle, 1924
Carley, Leon Alanson Hollywood LD 41+14 250 Encina-*1602*
Carlsmith, Carl Wendell Hilo, Hawaii Law 192+201 201 Toyon-*607*
Carlsmith, Merrill Lawrence Hilo, Hawaii LD 101+92 116 Toyon-*607*
[5]Carlson, Edward Franklin Yreka LD 45+3 13 Encina
[4]Carlson, Joseph E. Douglas, Ariz. Educ. gr. 334 Waverley-p
Ed.B., Washington, 1920
Carlson, Lawrence Aberdeen, Wash. LD 34–20 41 Encina-*2039*
[5]Carnahan, Chalon Wesley San José Phys. 48·118+103 *337* Kipling-p
Carnahan, Charles Trunnell Los Angeles C.E. 150+100 313 Sequoia-*2102*
Carpenter, Helen Elizabeth Richmond LD 88+9 *230* Roble-*1483*
[5]Carpenter, Howard L. Santa Paula Pre-Med. 93+92 216 Branner-*1207*
Carpenter, Powell Ward Berkeley LD 39+16 431 Encina
[4]Carr, Alice Lincoln Educ. gr. 168 Roble
A.B., California, 1924
[3]Carr, Donald Brooks Stockton LD 21·14+0 *232* Encina
[4]Carr, Esther Marie Excelsior, Minn. Zoöl. gr. Pacific Grove-pg
A.B., Carleton, 1918
Carr, Robert Mack Stockton Engl. 180+161 Theta Chi
A.B., Stanford, 1926
Carr, William George Palo Alto Educ. gr. 764 Channing-p
A.B., Stanford, 1924, A.M., 1926
[5]Carr, William Herbert Hanford LD 86–1 102 Sequoia-*1981*
Carriere, John G., Jr. Washington, La. M.E. 189+150 320 Union-*2034*
A.B., Stanford, 1926
Carrithers, Margaret Lois Earlimart LD 90+35 173 Roble-*1525*
Carroll, Frank Bernard San José LD 45·51+85 410 Sequoia
Carroll, Joe Shannon Fresno LD 48+57 115 Encina-*1240*
[12]Carroll, Joseph Snyder Palo Alto E.E. gr. 601 Channing-p
B.S., Utah, 1920; Engineer, Stanford, 1924
Carson, James G. San Francisco Med. gr. 2900 Pacific, SF-sf
A.B., Stanford, 1925
[4]Carter, Clinton C. Fresno Educ. gr. 465 Hawthorne-p
B.S., Central Missouri State Teachers College, 1925
[5]Carter, Marshall Lloyd Los Angeles LD 47+0 316 Encina-*1886*
[5]Cartwright, Lon D., Jr. Beaumont, Texas Geol. gr. Kappa Alpha-*488*
A.B., Texas, 1924
Carver, Lloyd Charles Trident, Mont. Law gr. 151 Cowper-p
A.B., Stanford, 1925
[1]Cary, Colin R. Mandan, N.D. LD 65–17 89 Sequoia-*618*
[5]Casad, Barry Los Angeles Min. 126+8 Theta Xi-*1355*
[1]Case, Evelyn Hart Santa Clara Med. gr. 924 Lincoln, SC-sc
A.B., College of the Pacific, 1922

Case, Myron D.	Sunnyvale	E.E. gr.	Sunnyvale-s
A.B., Stanford, 1925, Engineer, 1926			
[27]Case, Nelson Perry	Palo Alto	E.E. gr.	659 Forest-p
A.B., Stanford, 1924, Engineer, 1926			
[4]Case, Roscoe David	Brush, Colo.	Educ. gr.	348 Kipling-p
A.B., Denver, 1922, A.M., 1923			
[4]Casey, Albert M.	San Francisco	Educ. gr.	U. of Santa Clara-sc
A.B., Gonzaga, 1924, A.M., 1925			
Casey, Mary Louise	Batavia, N.Y.	Psych. gr.	Madroño-*1433*
A.B., Cornell, 1924; Ed.M., Harvard, 1925			
Cass, Alonzo B.	South Pasadena	LD 80+10	Zeta Psi-*B*
[1]Castellanos, Joseph C.	Los Angeles	LD 58+53	19 Toyon-*1637*
Castner, Huntley	Los Angeles	LD 102+5	Phi Kappa Psi-*1333*
Cathcart, Wallace Daniel	Palo Alto	Law 137+137	1215 Emerson-p
[4]Catlin, Robert Allen	Kingsburg	Educ. 46·32+11	131 Toyon
Cattoir, Francis Raymond	Arroyo Grande	Chem. 131+104	315 Sequoia
[5]Caukin, Esther	Sierra Madre	Hist. gr.	425 Embarcadero-p
A.B., Mills, 1924; A.M., Stanford, 1925			
Cavalero, Philip	Stockton	LD 103+151	255 Toyon-*2027*
[5]Cecil, Robert Edgar	Palo Alto	LD 87+38	440 Melville-*1030*
[234]Center, Hugh Stuart	San José	Law 3·125+100	Del. Tau Del.-*1363*
[4]Center, Mary Stuart	San José	Educ. gr.	Roble
A.B., San Jose State Teachers College, 1925			
Chaffee, John Matthew	Bloomington	LD 98+3	115 Toyon-*1855*
[23]Chalmers, Harry Hollis	Pocatello, Ida.	Law 14·162–12	Kappa Alpha-*1365*
Chambers, Dudley Elston	San Diego	M.E. 126+55	203 Sequoia-*1145*
Chambers, Ralph Spigelmyer	Stanford U.	Educ. gr.	28 Alvarado-*1743*
A.B., Park,1912; A.M., Stanford, 1926			
Champlin, Lucia Bell	San Diego	LD 45·49+40	352 Roble
Chandler, Carol Adelene	San Diego	Hist. 53·128+127	Pi Beta Phi-*1332*
A.B., Stanford, 1926			
Chandler, Harrison	Los Angeles	Econ. 170+11	Delta Kappa Eps.-*O*
Chandler, Margaret	Palo Alto	LD 89+14	Alpha Phi-*1387*
[4]Chandra, Mahesh	Delhi, India	Econ. gr.	204 Union
A.B., California, 1922			
Chang, David K.	Kauai, T.H.	Med. gr.	1449 Laguna, SF-sf
A.B., California, 1922			
Chang, Yü Ch'ang	Nanchang, China	Educ. 90·44+30	Chinese Club-*25*
Chantry, Kenneth Neal	Los Angeles	Law gr.	Delta Chi-*1304*
A.B., Stanford, 1926			
[1]Chapman, James Lincoln	Palo Alto	LD 15–29	1130 Bryant-p
[5]Chappellet, Cyril	Los Angeles	LD 112–6	Delta Kappa Eps.-*OO*
Chaquette, Marion Camille	San Francisco	Fr. 184+49	Delta Gamma-*1366*
A.B., Stanford, 1926			
[34]Charles, Raymond W., Jr.	San Francisco	LD 50+1	Alpha Tau Omega-*1384*
[5]Chase, Edwin Morey	Pasadena	Soc.S.11·166+16	PhiGm.Del.-*1324*
[4]Chase, Grace Elizabeth	Palo Alto	Hist. gr.	266 Roble-*717*
A.B., Stanford, 1925			
Chase, M. Bernice	San José	Econ. 10·134+106	Chi Omega-*1386*
Chatham, Russel Wilson	San Francisco	LD 43+2	140 Encina
[34]Chawner, William Donald	Pasadena	Geol. gr.	315 Everett-*2175*
A.B., Occidental, 1925			
[5]Cheng, Ying Yuan	Anhwei, China	Educ. 90·45+27	2 Salvatierra-*24*
Cherry, Donald Langer	Santa Cruz	LD 15·98+127	135 Branner-*1561*
Cheu, Henry Docfoo	Canton, China	Med. gr.	1982 Sutter, SF-sf
A.B., Stanford, 1925			

[4]Chichester, James Beverley Santa Barbara LD ‡ 117 Toyon-*2547*
Chilcote, Russell Cooper San Francisco Med. gr. 735 Taylor, SF-sf
A.B., Stanford, 1921
Chope, Harold De Los San José Med. gr. 64 S. 10th, SJ-sj
A.B., Stanford, 1926
[5]Chou, Hsien Keng Chüan Chiao, China Psych.120·52+12 ChineseClub-*1119*
[4]Chrisman, Herman Henry San Diego Hist. gr. 695 E. St. James, SJ-sj
A.B., Stanford, 1922, A.M., 1923
Christ, Herbert George San Francisco LD 85+1 Theta Delta Chia-*1828*
[2]Christensen, Allen D. Salt Lake City, U. S.Engr.104·33+49 406Sequoia-*1556*
Christensen, Andrew Lee SaltLakeCity,U. Geol. gr. *226* Sequoia-*1556*
B.S., Utah, 1925
[4]Christensen, Bessie H. Bishop Educ.gr. 665 Hanover, Mayfield-m
B.S., Oregon, 1925
[3]Christensen, Parley A. University Park Engl. gr. University Park-*2134*
B.S., Utah Agricultural, 1914; A.M., Stanford, 1925
Christian, William T. Minneapolis, Minn. LD 7·92+72 218 Sequoia
[4]vonChristierson, Anne San José Educ. gr. 225 S. 15th, SJ-sj
A.B., San Jose State Teachers College, 1926
[234]Chubbuck, Charles Dixon San Francisco LD 74+28 209 Branner
[12]Chun, Franklin Sunn Sacramento Econ. 83·97+73 212 Union-*1033*
A.B., Stanford, 1926
[5]Churchill, Pauline W. Bartlesville, Okla. Econ. 167+108 *265* Roble-*1179*
Cilley, Herbert Arthur Long Beach Med. gr. RFD, Box 12, p
A.B., Stanford, 1926
Claes, John Vernon Turlock Chem. 90·47+36 402 Sequoia
[23]Clagstone, Kirk San Mateo LD 23–10 *326* Encina
Clancy, Frances Edith Riverside LD 86+92 251 Roble-*2514*
[1]Clapp, Elizabeth Earl Burlingame Hist. 111–5 Kap.Kap.Gam.-*1354*
Clapp, Marvin Henley Santa Rosa LD 47+37 417 Encina
Clark, Charles Kittredge Berkeley LD 92+22 33 Sequoia-*1098*
Clark, David Bridgman Stanford Univ. Ed.G.A. 180+112 4 Cabrillo-*1575*
A.B., Stanford, 1926
Clark, Donald Eastman Stanford Univ. Chem. gr. 4 Cabrillo-*1575*
A.B., Stanford, 1925, Engineer, 1926
[4]Clark, Duncan Ellsworth Templeton Educ. gr. *222* Toyon
A.B., Drake, 1913, A.M., 1915
[12]Clark, Elizabeth Allerton Berkeley LD 66+39 342 Roble
[5]Clark, Elizabeth LaV. Naalehu, Tau, TH Hist. 92·42–12 365 Roble-*2544*
Clark, Frederick Norman Los Angeles LD 44+33 *244* Encina-*2012*
Clark, G. Houghton Palo Alto Zoöl. 134+60 Theta Xi-*1355*
Clark, John Alfred Los Angeles LD 45+30 334 Encina-*2013*
Clark, John William Bishop LD 82+67 Phi Delta Theta-*1334*
[12]Clark, John Woodhull Aberdeen, Wash. Law 127+72 Sigma Chi-*628*
[23]Clark, Lincoln Pasadena LD 32·31+16 404 Encina
Clark, Robert Wellington Salinas M.E. 136+67 *237* Toyon-*642*
[4]Clark, Susan Gardner Honolulu, T.H. Cl. Lit. gr. 1101 Emerson-p
A.B., California, 1898
[23]Clark, Thomas Stewart Beverly Hills Econ. 147+13 Phi Gam. Del.-*1324*
Clark, Wellman Albert Kellogg, Idaho LD 47+25 347 Encina-1982
Clark, William A. Stanford Univ. Min. gr. 311 Union-*966*
A.B., Stanford, 1925
Clarke, Oliver French Myrtle Point, Ore. LD 45–10 117 Encina-*2028*
[12]Clay, Alex Martin, Jr. Mountain View LD 31+2 Phi Sigma Kap.-*538*
Cleaveland, Loraine Berkeley S.Educ.gr. Kap.Kap.Gamma-*1354*
A.B., Stanford, 1925

Clemans, Kate Smith A.B., Stanford, 1926	Alpine, Wash.	Engl.110·86+46	CookseyLane-*1280*
Clemmons, June Neville A.B., State College of Washington, 1920	Tacoma, Wash.	S.Educ. gr.	Sigma Kappa-*1327*
[12]Clendenin, Robert James A.B., Stanford, 1926	Monmouth, Ill.	Econ. 103·79+82	Al. Sig. Phi-*1357*
[1]Clendening, Robert	Jamestown, N.D.	Econ. 90·42+16	505 Encina
[5]Clifford, Charles Randall A.B., Stanford, 1926	Turlock	Educ. gr.	131 Toyon-*1352*
[5]Clock, Anita Kathreen	Redlands	Hist. 128+47	Kap.Kap.Gam.-*1357*
Clock, Henry Harriman	Long Beach	LD 45+27	317 Encina-*1953*
[4]Cloud, Roy Walter A.B., Stanford, 1905	Redwood City	Educ. gr.	Redwood City-rc
[5]Clough, Philander O.	Fillmore	Law 87·88–26	301 Union-*1065*
[2]Clouse, Floyd Willis	Lodi	LD 15+20	548 Encina-*2264*
Clover, George I.	Woodland	LD 93+27	Sigma Nu-*1385*
Clum, Woodworth B.	Beverly Hills	LD 45+24	352 Encina-*616*
[5]Clumeck, Ned N.	Singapore, Str. Set.	LD 53+23	333 Encina-*1543*
Cluxton, Donald Edwin	Wheatridge,Colo.	Pol.S. 90·40–12	521 Channing-p
Clymer, Eugene Walter	Yuma, Arizona	Soc.S.-Jn.136+18	216Sequoia-*2623*
Coates, Stanley Kenneth	Los Angeles	LD 45+0	20 Encina-*1755*
Cobb, Alma Loleta A.B., Stanford, 1926	Fresno	Econ.64·128+146	Del.Del.Del.-*1325*
[1]Cobe, Herbert M. A.B., Michigan, 1923	Los Angeles	Bact. gr.	307 Union-*1546*
Cochran, Sam Luther	La Grande, Ore.	LD 46+16	444 Encina-*2742*
[25]Coffin, Alta Stone A.B., Stanford, 1910	Denair	Phys. gr.	Menlo Heights
Cohen, Milton M., Jr.	Los Angeles	LD 43+33	408 Encina-*1174*
Cohn, Roy Barnett	Los Angeles	LD 51+30	446 Encina-*1904*
Cole, Andrew Morris	Pasadena	LD 39+26	315 Encina-*895*
Cole, Burton Reece	Los Gatos	S.Engr.103·45+20	202Sequoia-*2743*
Cole, Creswell Chapin	San Francisco	LD 49+54	110 Encina-*623*
Coleman, Harry S.	Portland, Ore.	LD 45–8	422 Encina-*1762*
[5]Coleman, Norton	Stanford Univ.	Geol. 132+27	Sigma Chi-*628*
Coleman, Ray J.	Long Beach	LD88+83	DeltaKappaEpsilon-*OO*
[13]Collens, Bernard S.	New York, N.Y.	LD ‡88–24	212 Branner-*501*
[1]Collier, Bertha Elsie Ph.B., Chicago, 1915; A.M., Stanford, 1919	Decatur, Ill.	Engl. gr.	311 Middlefield-p
[4]Collier, Myrtie B.S., Chicago, 1912	Los Angeles	Math. gr.	381 Roble
[1]Collins, Burton V., Jr.	Los Angeles	LD 38–26	AlphaTauOmega-*1384*
[2]Collins, Calvin Gaines	Auburn	LD 91+17	Sigma Nu-*1385*
Collins, James Philmore A.B., Stanford, 1926	Fresno	Zoöl-Med.91·98+35	214Toy'n-*1468*
Collins, John Stephenson	Courtland	Law 127+4	Zeta Psi-*B*
[4]Collins, Junior Jennings A.B., Stanford, 1925	Los Angeles	S.Educ. gr.	13 Toyon
Collins, Marion Carter	Turlock	Pre-Med. 135+42	209 Toyon-*2763*
[12]Collins, Sheldon Heber	Longview, Wash.	LD 54+6	304 Sequoia
Collins, William Henry	Los Angeles	LD 40–4	234 Encina-*587*
[5]Colloff, Harry	St. Joseph, Mo.	LD 45+35	405 Encina-*977*
Colton, Arthur Harry	San Francisco	Pre-Med. 134+11	529 Channing-p
Coman, Edward Charles	Covina	LD 46+54	416 Encina-*835*
[5]Combellack, Fred M.	San Francisco	Cl. Lit 98+111	311 Sequoia

Combs, Eldredge Ersie	Long Beach	LD 43+4	125 Encina-*2002*
[12]Comparet, Bertrand Lewis	San Diego	Law gr.	525 Encina-*1123*
A.B., Stanford, 1924, J.D., 1926			
Compton, Frank Andrew, Jr.	Stirling City	S.Engr. 138+82	241 Toyon-*I*
[4]Concklin, Grace Chamberlin	Los Gatos	Germ. gr.	344 Roble
A.B., College of the Pacific, 1919			
[5]Condit, Thomas Ayers	Los Angeles	Law 175+78	PhiGam.Delta-*1324*
Cone, Dorothy Hilyard	Carmel	LD 86+12	Kap.Alpha Theta-*1336*
[4]Conkle, Byron Hawkins	Medford, Ore.	Educ. gr.	11 Lasuen
A.B., Mt. Union, 1913			
Conklin, Charles D.	Bakersfield	LD 98+52	248 Toyon-*1158*
[4]Conley, Charles Clarence	Ajo, Ariz.	Educ. gr.	Buena Vista Camp-*258*
Ph.B., Chicago, 1915			
Conn, Claude C.	Greeley, Colo.	LD 92+80	418 Cowper-p
Conner, Edward	San José	LD 47+7	351 Encina-*911*
[5]Conner, William Watkins	Modoc, Ind.	Chem. 127+48	323 Channing-*1682*
Conners, George Wilbert, Jr.	Santa Rosa	LD 144+104	303 Sequoia-*807*
[4]Connolly, Anna Josephine	Seattle, Wash.	Fr. gr.	Menlo Park-mp
A.B., Loyola, 1924			
Connolly,GeorgeAloysius,Jr.	SanFrancisco	LD 88+12	Phi Kappa Sigma-*1306*
[12]Connolly, John Briggs	San Francisco	Law gr.	531 Encina-*605*
A.B., Stanford, 1924, J.D., 1926			
[1]Connolly, Thomas Edward, Jr.	Stockton	Soc.S.-Jn. 184+26	Theta Chi-*1383*
A.B., Stanford, 1926			
[134]Conover, Arthur Brooks	Orange, N.J.	Law gr.	Kappa Sigma-*1326*
A.B., Stanford, 1925			
[2]Conradi, Carl Herbert	San Francisco	LD 14+1	Encina
Conron, Calvin Halsey, Jr.	Modesto	Law gr.	316 Union-*577*
A.B., Stanford, 1925			
Conron, Harry Maxwell	Bakersfield	Law 131+93	544 Encina-*577*
[13]Conrow, Jonathan H.	Cream Ridge, N.J.	LD 27+6	240 Embarcadero-p
Conroy, Edward Harold	Long Beach	LD 45+50	128 Encina-*1914*
Conroy, Thomas F., Jr.	Santa Cruz	LD 139+94	217 Toyon-*924*
[5]Converse,Edmund Cogswell,Jr.	Alameda	LD 75+67	Zeta Psi-*B*
Conway, Mary Josephine	Hollywood	Law 188+128	Kap.Kap.Gam.-*1354*
A.B., Stanford, 1926			
Cook, Albert Lyle	Los Angeles	LD 94+48	750 Melville-p
Cook, Alex J.	San Francisco	LD 45+20	116 Encina-*707*
[4]Cook, Edward Irvin	Sacramento	Pol.S. gr.	428 Forest-p
A.B., Ursinus, 1907; A.M., Stanford, 1923			
Cook, Stanley James	San José	LD 7·89+151	127 Branner-*1020*
[1]Cooke, Edward Howd	Los Angeles	LD 72–4	25 Salvatierra-*1185*
[1]Cooke, Frederick James	San Francisco	LD 39–11	Alpha Kap. Lamb.-*658*
[12]Cooke, Robert Fielding	Fullerton	C.E. 90·20+5	232 Lytton-*1286*
[234]Cooke, W. Henry	Stanford Univ.	Hist. gr.	University Park-*1172*
A.B., Pomona, 1920, A.M., 1921			
Cooley, Chester Lynn	Pasadena	Med. gr.	2402 California, SF-sf
A.B., Stanford, 1924			
Coolidge, Coit	Santa Barbara	LD 85+48	475 Forest-p
[1]Coons, Robert W.	Aberdeen, Wash.	LD 58+27	Phi Gam. Delta-*1324*
Cooper,Florence Evelyn	GreatFalls,Mont.	LD 47+76	280 Roble
Cooper, Helen	Modesto	Engl.-P.Sp. 68·57+45	273 Roble
Cooper, John B.	Reno, Nevada	Econ. 131+132	137 Toyon-*1412*
[5]Cooper, Mary-Virginia	Los Angeles	LD 49+25	268 Roble-*94*
Cooper,WilliamAlexander	MountainView	Pre-Med.102+5	1272Calif.,MV-mv

[4]Cooperrider, Albert Owen A.B., Colorado, 1904	Arcata	Educ. gr.	327 Union
Cope, William J. B.S., Utah, 1923	Palo Alto	M.E. gr.	412 Cowper-p
Coveland, Nathan	San Francisco	LD 47+6	112 Encina
[1]Coplen, James Ballou A.B., Stanford, 1926	Corona	Econ. 81·99+32	445 Hamilton-*1304*
[4]Copley, Frank Olin	Burlingame	LD	1205 Drake, B-b
Coppock, Kenneth Riley A.B., Stanford, 1924	Palo Alto	S.Bus. gr.	352 Fulton-p
[4]Coqblin, Lydie A.B., Cornell College, 1923	Nevers, France	Fr. gr.	109 Roble
[234]Cornell, Elton Fred A.B., Stanford, 1923, A.M., 1924	Sunnyvale	Chem. gr.	Sunnyvale-s
Cosgrave, Margaret	Fresno	Fr. 5·166+109	Chi Omega-*1386*
[3]Cosgrove, Robert Sinclair	Pasadena	LD 7–15	109 Encina
[4]Costabel, Violette Alma A.B., College of the Pacific, 1922	San José	Fr. gr.	374 Roble
[12]Cothran, James Otis	Banning	LD 8–*23*	348 Encina
Cotton, Norman Winfield	Fort Bragg	Educ. 109+29	140 Toyon
[5]Cotton, R. Charmion	Fort Bragg	Hist.42·101+17	Gam.PhiBeta-*1337*
[4]Cottrell, William Fred A.B., Occidental, 1925	Milford, Utah	Educ.gr. 1468	Balboa,Burling'me-b
Coughran, Thomas Bristol	Visalia	Econ. 124+8	Kappa Sigma-*1326*
[1]Coulthurst,Lawrence Joseph A.B., Stanford, 1924	San Diego	Min. gr.	Phi Kappa Sigma-*1306*
[4]Coutts,Elizabeth McCulloch A.B., Occidental, 1922	S. Pasadena	Engl. gr.	363 Roble
Coverley, Charles Erskine	Los Angeles	LD 41·55+23	Delta Upsilon
Coverley, Ruth Rosalind	Hollywood	Hist. 124+142	Pi Beta Phi
Cowan, Glenn F. B.S., Utah Agricultural, 1923	Payson, Utah	Law gr.	University Park-*1115*
Cowan, John B.	Johnson City, N.Y.	LD 87+43	457 College, M-m
Cowen, Philip Henry A.B., Stanford, 1926	Langdon, Alberta	Econ. gr.	544 Encina-*1053*
Cox, Alvin Joseph, Jr.	Palo Alto	Pre-Med. 138+177	Pac. Grove-pg
[4]Cox, Anna Mae B.S., Oklahoma, 1925	Benton, Ky.	Hist. gr.	210 Roble
[4]Cox, Arthur William Ed.B., Southern Illinois State Normal, 1924	Carbondale, Ill.	Educ. gr.	557 Hamilton-p
[5]Cox, Clyde Edward	St. Anthony, Idaho	Pre-Med. 165+156	224 Sequ.-*2301*
Cox, Mary Morris	Palo Alto	LD 45+54	1118 Emerson-p
Cox, Theodore Sullivan A.B., Michigan, 1917; LL.B., Virginia, 1922	University, Va.	Hist. gr.	201 Homer-p
[1]Coxhead, Ernest Browning	Berkeley	LD 13–49	404 Encina-*521*
Cozzens, Bradley A.B., College of the Pacific, 1925	San José	S.Engr. gr.	10 Broadway, SJ-sj
Crabb, Paul Ellsworth A.B., Stanford, 1926	Los Gatos	Psych. 135·44+34	Los Gatos-lg
[4]Cradler, Paul M. A.B., Santa Barbara State Teachers College, 1925	Palo Alto	Educ. gr.	1933 Waverley-p
Craft, Benjamin Cole	Cupertino	Min. 134+44	Kappa Sigma-*1326*
Craig, Homer Theodore, Jr.	Alameda	LD 47+19	332 Encina-*625*
[34]Crain, Cordelia Dorothea A.B., California, 1918; A.M., 1919	Berkeley	Engl. gr.	175 Roble
Cramer, Elizabeth	Palo Alto	LD 43+16	675 Channing-p

Cramer, Glenn Edwin A.B., Stanford, 1926	Santa Monica	Hist. 192+7	52 Sequoia-*1453*
[4]Cramer, Margaret A.B., Stanford, 1915	Palo Alto	Educ. gr.	675 Channing-p
Cramer, Sterling S. A.B., Stanford, 1925	Cleveland, Ohio	Chem. gr.	208 Sequoia-*1761*
Crandall, Oliver Byrd	San Antonio, Tex.	LD 44+38	403 Encina-*647*
Crandall, Russell Karl	KlamathFalls,Ore.	LD 50·60+17	557 Encina-*1140*
[23]Crane, Katharine More	Applegate	LD 27+6	366 Roble
Crane, Leah Alice A.B., Stanford, 1926	Garden Grove	Hist. 90·93+82	218 Roble-*42*
Crane, Mary Emma	Turlock	LD 46+25	278 Roble-*1727*
Crary, Leonard Lamson	Burlingame	LD 82+38	Delta Tau Delta
Crary, Ralph Ward, Jr.	Palo Alto	LD 61+47	444 Tennyson-p
Crary, Sherman L.	Boone, Iowa	LD 45–6	141 Encina-*885*
Crase, Herbert R. A.B., Stanford, 1923	Los Angeles	Med. gr.	2215 Buchanan, SF-sf
[7]Craven, Leonard Thomas	Los Angeles	Econ. 108·82–25	212 Sequoia
[5]Crawford, Arthur Lorenzo A.B., Brigham Young, 1924	Palo Alto	Geol. gr.	1027 Bryant-p
[4]Crawford, Earle Eugene A.B., Michigan, 1919	Napa	S.Educ. gr.	Stanford Park-*2377*
Crawford, John Vickers	Glendale	LD 36+3	138 Encina-*2117*
[1]Crawford, Perry O. A.B., Stanford, 1908	Medford, Ore.	E.E. gr.	526 Forest-p
Creagh,Merrick Woodman	San Francisco	Law 124+130	909 Alma-p
Crebs, Elizabeth Stewart	Los Angeles	Soc.S. 9·123+92	Pi Beta Phi-*1332*
Crebs, William Jones	Los Angeles	LD 87–6	Delta Tau Delta-*1363*
Creswell, George William	Douglas, Wyo.	Cl. Lit. 135·43+1	314 Union
Crever, Frederick Emanuel A.B., Stanford, 1925, Engineer, 1926	San José	E.E. gr.	333 Union-*1511*
Criley, Theodore, Jr.	Carmel	Mil.S. 151+163	219 Toyon-*1468*
Crimmins, Edward Custis	San Francisco	Hist. 113+11	Zeta Psi-*B*
Crist, Frank Lee A.B., Stanford, 1924, J.D., 1926	San Francisco	Law gr.	537 Encina-*1853*
[4]Croad, J. Russell	Calistoga	LD 15·14+5	Kingscote
Crobaugh, Alva B. A.B., Stanford, 1925, A.M., 1926	Palo Alto	Econ. gr.	1836 Bryant-*1279*
Crocker, George Nathaniel A.B., Stanford, 1926	San Francisco	Law 189+280	139 Branner
Croker, Richard Symonds	San Rafael	LD 48+47	216 Encina-*2781*
Crookshank, Miles James A.B., Stanford, 1926	Santa Ana	Econ. 70·110+59	Delta Ups.-*1353*
Crosby, Peter James	Hayward	LD 41–5	364 Encina-*2214*
Cross, Marion Francel A.B., Stanford, 1926	Ogden, Utah	Ed.G.A. 181+61	Gam. Phi B.-*1337*
[4]Croswhite, John R. B.S., Oregon State Agricultural, 1917	Long Beach	Educ. gr.	1 Lasuen-*1305*
Crow, Mildred Bernice	Marion, Ohio	LD 22·84+102	256 Roble-*1288*
[14]Crozier, Wilmot F. A.B., Northwestern, 1909	Osceola, Nebr.	Educ. gr.	College Terrace-*1222*
[4]Crump, John R. B.S., Linfield, 1923	Menlo Park	Educ. gr.	Menlo Heights-mp
[1]Crump, Ross Owen A.B., Stanford, 1926	San José	Econ. 183+258	San Jose-Bx.330,sj
[4]Cruzen, Eugenia Celeste B.S., Washington, 1925	Boise, Idaho	Educ. gr.	540 Cowper-p

Cuddeback, Murray W. Monolith Econ. 181+26 Zeta Psi-*B*
A.B., Stanford, 1926
[1]Cuenod, Charles Branch Los Angeles LD 77–17 Kappa Alpha-*1356*
Cullinan, Eustace San Francisco Law gr. 1004 Emerson-p
A.B., Notre Dame, 1925
Cullinan,LauretteGenevieve SanFrancisco Hist.120·61+65 Gam.PhiBeta-*1337*
A.B., Stanford, 1926
[1]Culp, George Joseph Pacific Grove Chem.gr. P.O.Bldg.,Mayfield-*150*
A.B., Stanford, 1925
Cummings, Beulah Mary Los Altos Span. 42·117+83 Los Altos-la
[23]Cummings, Don Childs La Grange, Ill. Econ. 100·21–31 213 Union-*2207*
[4]Cummings, Franklin San Antonio, Tex. Hist. gr. 210 Union
A.B., California, 1919
Cummings, Robert H. Long Beach LD 138+52 Delta Tau Delta-*1363*
Cummins, J. Ferdinand Le Grand LD 94+87 225 Sequoia
Cummins, Rowan Long Beach LD 36–4 32 Encina-*2146*
[4]Cunningham,Mary Evelyn BoulderCreek Educ. gr. 225 S. 15th, SJ-sj
A.B., San Jose State Teachers College, 1924
[4]Curd, Gladys Draper Greeley, Colo. Span. gr. 115 Alma-p
A.B., Colorado State Teachers College, 1923, A.M., 1925
[4]Curd, William S. Greeley, Colo. Educ. gr. 115 Alma-p
A.B., Colorado State Teachers College, 1924, A.M., 1925
Cureton, Edward Eugene San José Educ. gr. 360 N. 16th, SJ-sj
A.B., San Jose State Teachers College, 1925
[4]Curtis, Joseph Alfred Boise, Idaho Hist. gr. 707 Addison-*2367*
A.B.,Idaho, 1924
Curtis, Sue Redwood City LD 48+68 239 Roble-*2701*
[4]Cutler, Guy Vivian Lovell, Wyo. Law gr. 815 Stanford
A.B., Utah, 1917, A.M., 1918
Cypher, S. Clark Arcadia Law 144+43 14 Cabrillo-*1304*
Dahler, Dorothy Inez Woodland Math. gr. Madroño-*714*
A.B., Stanford, 1925, A.M., 1926
[4]Dahlin, Ebba Seattle, Wash. Hist. gr. Madroño
A.B., Washington, 1919, A.M., 1922
Dailey, James S. Los Angeles Econ. 90·49+35 532 University-*67*
Dales, John Leighton, Jr. Los Angeles LD 48+52 408 Encina-*1294*
[23]Daly, John Joseph Salt Lake City, Utah LD 25·87–5 Theta Xi-*1355*
von Damm, Helene San Mateo LD 50+6 234 Roble-*2554*
[4]Dana, Charles A. Biggs Math. gr. 531 Harvard
A.B., Stanford, 1925
Danford,William Harwood Kekaha,T.H. LD 93+18 Phi Kappa Sigma-*1306*
Daniel, John, Jr. San Francisco LD 41+6 231 Encina
Daniels, Albert C. Pueblo, Colo. LD 101+108 16 Branner
Daniels, Theodore Thomas San Francisco LD 46–5 433 Encina
Darlington,ThomasDouglas Burley,Idaho Soc.S.-Jn. 153+46 308 Union-*1571*
[5]Daves, Delmer Lawrence Los Angeles Law 152+123 Sig.Alpha Eps.-*1305*
David, Leon Thomas Vallejo Law gr. 201 Union-*1735*
A.B., Stanford, 1924, J.D., 1926
David, Nelson Binkley Alhambra Econ.123+125 Phi Del.Theta-*1334*
Davidson, Eleanor Palo Alto LD 95+113 Kap.Alpha Theta-*1336*
Davidson,HelenP. NewWestminster,B.C. Psych. gr. Manzanita-*1211*
A.B., Stanford, 1924, A.M., 1925
Davidson, Horace Berkeley LD 92+9 Kappa Alpha-*1356*
Davies, David Lloyd Portland, Ore. Law gr. 223 Sequoia-*976*
A.B., Stanford, 1925
[24]Davies, George Arthur Los Angeles Law gr. Kappa Alpha-*1356*
A.B., Stanford, 1925

[5]Davies, Robert Castle	Los Angeles	Span.104·62+26	KappaAlpha-*1356*
[4]Davis, Anna Leonora	Pasadena	Educ. gr.	947 Webster-p
Ed.B., California, Southern Branch, 1926			
Davis, Arthur Marshall	Tempe, Ariz.	LD 43+12	234 Encina-*1259*
Davis, Burt Lincoln	San Francisco	LD 101+54	525 University-p
Davis, Fred Jay	Westwood	LD 45+36	448 Encina-*956*
Davis, Gregory Hensley	Napa	LD 81–13	Sig. Alpha Eps.-*1305*
Davis, James Kirkland	San Francisco	LD 45+3	308 Encina
[4]Davis, N. Evelyn	Pasadena	Educ. gr.	947 Webster-p
Ed.B., California, Southern Branch, 1924			
Davis, Paul Cannell	Cleveland, Ohio	Econ. 143+154	544 Encina
[12]Davis, Rudyard E.	Palo Alto	Law gr.	1521 Emerson-p
A.B., Minnesota, 1921; J.D., Stanford, 1926			
Davis, Stanley Spencer	Westwood	LD 94+65	128 Branner-*956*
[124]Davis, Wilfrid L.	Los Angeles	Hist. 124+6	17 Toyon-*1151*
Davison, W. Brewster	Victoria, B.C.	Hist.67·98+105	AlphaSig.Phi-*1357*
[4]Dawes, Claire C. P.	Los Angeles	Ed.G.A. ‡ 7+7	181 Roble
Dawson, Carlton W.	Los Altos	LD 93+52	Los Altos-la
[12]Dawson, Clarence H.	Salt Lake City,U.	E.E. gr.	226 Sequoia-*705*
A.B., Stanford, 1925, Engineer, 1926			
[4]Dawson, Olive L.	Palo Alto	LD ‡	780 Palo Alto-p
Dawson, Robert Alfred	Butte, Mont.	M.E. 85·47+51	375 Everett-p
Day, A. Grove	Cananea, Son., Mexico	Engl. 184+232	119 Toyon-*1857*
A.B., Stanford, 1926			
Day, C. Edward	Salinas	Chem. 137+26	856 Middlefield
Day, Frank H.	Cananea, Son., Mexico	LD 96+41	121 Toyon-*1857*
Day, Howard C.	Lake Geneva, Wis.	S. Biol. gr.	331 Dartmouth-*72*
A.B., Lawrence, 1924; A.M., Stanford, 1926			
[1]Day, Percival S.	Ypsilanti, Mich.	Educ. gr.	334 Union
A.B., Michigan State Normal, 1920			
Deahl, Katharine	San Francisco	LD 45+3	346 Roble
Deal, Bonnye Elizabeth	Pasadena	LD 99+135	102 Roble-*1146*
[24]Dean, Ardys	Palo Alto	Engl. gr.	515 University-*2047*
A.B., Stanford, 1924			
Dearborn, Frances Jane	Santa Barbara	Engl.75·117+106	Del.Del.Del-*1325*
A.B., Stanford, 1926			
[1]Dearborn, Terry Hamilton	Blythe	LD 15–6	248 Encina-*1797*
[4]De Bord, Isla Nancy	Berkeley	Educ. gr.	Roble
A.B., California, 1925			
[4]Dechman, Frances Jewett	San José	Math. ‡	766 Hedding, SJ-sj
DeCou, Herbert Wesley	San Leandro	LD 42+10	364 Encina
DeFrees, John Thomas	Burlingame	Econ. 105+9	Phi Kappa Sig.-*1306*
[234]DeGroot, Dudley Sargent	Palo Alto	Educ. gr.	332 Channing-p
A.B., Stanford, 1924			
Deimling, Persana Lovell	Santa Ana	Germ. 90·94+81	Al.Om.Pi-*1367*
A.B., Stanford, 1926			
[5]Dekker, William Nichols	Stanford Univ.	Engl. 160+53	Chi Psi-*133*
Delamarter, Frank A.	Palo Alto	Cl. Lit. gr.	498 Cooley-*1157*
A.B., College of the Pacific, 1926			
[5]Delatour, Helen	Lewellen, Nebr.	Fr. 45·58+79	238 Roble-*1367*
Demond, Frances Ema	Los Angeles	Math. 47·47+8	370 Roble-*1175*
[3]Dennis, Charles Milroy	Los Angeles	LD 50–31	19 Lasuen-*J*
[4]Dennis, Leah Augusta	El Paso, Tex.	Engl. gr.	404 Cowper-p
A.B., Northwestern, 1913, A.M., 1914			
Dennis, Walter James, Jr.	Portland, Ore.	LD 45+10	428 Encina-*1188*

Denny, Mary Carson	Los Altos	LD 85+25	Delta Gamma-*1366*
[23]Dentraygues, Jean	Burlingame	M.E. ‡ 28+2	610 Ansel, B-b
[234]Derby, Howard W.	Arcata	Hist. gr.	325 Alma-p
A.B., College of the Pacific, 1925			
[4]Derby, Mariquita	San José	Engl. gr.	San Jose-*2516*
A.B., Mills, 1921			
Desimone, Leon Oliver	Downey	Med. gr.	2100 Pine, SF-sf
A.B., Stanford, 1925			
[4]De Sombre, William Ernest	Anaheim	S.Educ. gr.	224 Union
Ph.B., Chicago, 1902			
[12]Detrick, Foster Blake	Palo Alto	LD 101+19	1027 Waverley
[1]DeTuncq, Harold Rief	Palo Alto	LD 75–24	2361 Middlefield-p
Detzer, Stephen	Hollywood	C.E. 114·67+4	300 Toyon
[4]Devin, Mary Elmah	Seattle, Wash.	Educ. gr.	10 Dolores
A.B., Washington, 1920			
[5]Devlin, Hartley William	Los Angeles	Germ. 163+31	Phi Kap. Sig.-*1306*
[4]Devlin, Leo John, Jr.	San Francisco	LD	141 Toyon
[5]DeWees, Benjamin L.	Hartford City, Ind.	Soc.S. gr.	640 Waverley-p
A.B., DePauw, 1922			
DeWitt, Herbert Fowler	Sutter	LD 34–13	246 Encina-*2564*
Dewlaney, Barbara C.	Santa Barbara	Engl. 99·47+56	227 Roble-*1039*
DeWolfe, Norton Creemer	Burlingame	M.E. 187+77	117 Central, B-b
A.B., Stanford, 1926			
Dibble, Clyde Arza	Burlingame	LD 47+82	1345 Balboa, B-b
Dice, Frank C.	Shoshone, Idaho	Econ. 170+34	Theta Chi-*1383*
Dickenson, Charles William	Madison, Tenn.	Law gr.	419 Encina-*1924*
A.B., Stanford, 1926			
[12]Dickey, Dean Richard	Palo Alto	Law gr.	332 Forest-p
Graduate, U.S. Military Academy, 1918			
[4]Dickey, Ruth Ringelman	Parlier	Educ. ‡	10 Salvatierra
Dickinson, Leonard P.	Burlington, Vt.	Phys. gr.	610 Cowper-p
B.S., Massachusetts Institute of Technology, 1896; A.M., Stanford, 1926			
[5]Diehl, Howard Frederick	Springfield, O.	Econ. 79·88+49	Al.Tau Om.-*1384*
Dietrich, Harry Frederic	Los Angeles	LD 43+20	409 Encina-*2053*
Dietrich, Margaret Clara	Los Angeles	Soc.S. 192+184	Chi Omega-*1386*
A.B., Stanford, 1926			
[12]Dietrick, Joseph Sampson	Los Angeles	LD 72–4	Delta Chi-*1304*
Dill, Walter John, Jr.	Los Angeles	LD 42+5	352 Encina-*2023*
Dilley, Clark D., Jr.	Hollywood	LD 96+58	304 Branner-*2614*
Dillon, Hazel Bernice	Sacramento	Hist. 134+51	Gam.Phi Beta-*1337*
[4]Dimmler, Dorothy Doyle	Berkeley	S.Biol. gr.	Pacific Grove-pg
B.S., California, 1909, M.S., 1910			
Dinsmoor, A. Hale	El Monte	Law 186+106	321 Sequoia-*1242*
A.B., Stanford, 1926			
[12]Dinsmore, W. Treat	Riverside	Law 56·45+5	Phi Kap.Sig.-*1306*
Ditzler, Frank Wickham	Oakland	Law 180+78	Chi Psi-*1648*
A.B., Stanford, 1926			
[12]Dixit, Kauhaiya Lall	Buland Shahr, India	LD 3·60–28	1615 Palo Alto-*1066*
Doane, Donald Calvin	Stanford Univ.	LD 81+13	12 Dolores-*1607*
Doane, Graeme Stewart	Pasadena	LD 88+33	Phi Kappa Psi-*1333*
[4]Dobbel, Edith Elizabeth	Palo Alto	Hist. 34·119+59	640 Forest-*1337*
Dobbins, Leslie Edwin	Colusa	M.E. 143+168	221 Toyon-*1468*
Dobson, George Palmer	San José	LD 92+114	115 Branner-*1092*
Dobson, Leonard Garrard	Fresno	Zoöl-Med.213+336	247Toyon-*1468*
A.B., Stanford, 1926			
Dodd, Onslow Sinclair	Palo Alto	Law 23·95+69	1020 Ramona-p

[4]Dodson, Ellen MacKenzie — Pasadena — Engl. gr. — Madroño
A.B., Southern California, 1919; A.M., Stanford, 1921
[5]Doe, Lois I. — Stockton — Psych. 83·94+132 — 169 Roble
Doerr, Karl Philip — South Pasadena — Min. 135+85 — Delta Kappa Eps.-*O*
[12]Dohrmann, Jack Fred — San Francisco — LD 13–23 — *232* Encina
Doll, Cecil Thane — Redondo Beach — LD 97+103 — Sigma Chi-*628*
Dombaugh, Homer Kent — Gilroy — Econ. 5·176+38 — 17 Alvarado-*931*
A.B., Stanford, 1926
[4]Donaldson, Dorothy Ellen — Palo Alto — Span. gr. — *737* Webster-p
A.B., Stanford, 1921
[5]Donnay, Joseph D. H. — Waremme, Belgium — Geol. gr. — 311 Union-*1763*
C.E., Liége, 1925
[4]Doolin, Isabelle Christine — Omaha, Neb. — Educ. ‡ — 67 No. F, San Mateo-sm
Doran, Madeleine Kathryn — San Diego — Engl. 90·50+94 — 379 Roble-*694*
[1]Dorcy, J. Biddle — Palo Alto — LD 63+32 — 1035 Emerson-p
[23]Dorman, Richard Allen — La Crosse, Wn. — LD 60+32 — 451 Channing
Dorn, Nancy Elizabeth — Kelseyville — LD 47+24 — Roble
[4]Doron, Joseph Smith — Phoenix, Ariz. — Educ. gr. — Los Altos-la
A.B., Stanford, 1920
Douglas, Chesley McKinley — San José — Law gr. — 1101 S. 1st, SJ-sj
A.B., Stanford, 1924
[1]Douglas, James — Douglas, Ariz. — Min. gr. — Alpha Delta Phi-*J*
A.B., Amherst, 1925
[4]Douglass, Harl R. — Eugene, Ore. — Educ. gr. — 321 Stanford-*1673*
B.S., Missouri, 1915, A.M., 1921
[134]Dow, Kenneth Adams — Redlands — LD 64+5 — Alpha Sigma Phi-*1357*
[5]Dow, Lloyd Wilson — Oakland — LD 33–32 — *233* Encina
[4]Dowell, Virgil C. — Lindsay — LD — *245* Toyon
[3]Dowling, Robert Russell — Placentia — LD 12–7 — 346 Encina
[5]Downer, Edward M., Jr. — Richmond — Econ. 11·104+22 — Theta Delta Chi
[5]Downey, Wallace Kerrick — Newman — Econ. 90·46+37 — Del. Tau Del.-*1363*
[23]Downing, Dorothy L. — Norman, Okla. — LD 60·31+24 — Kap. Kap. Gam.-*1354*
Downing, F. Harold — Fresno — Med. gr. — 2209 Buchanan, SF-sf
A.B., Stanford, 1925
Doyle, Elizabeth — Fresno — LD 39+0 — 355 Roble-*2016*
[5]Doyle, John Kenneth — San Francisco — LD 31+4 — 450 Encina
Doyle, Katherine Edith — Menlo Park — LD 44–1 — Menlo Park-mp
[5]Doyle, Morris MacKnight — Berkeley — LD 30+1 — 116 Encina-*1306*
Doyle, Virginia — Fresno — Phil. 24·164+84 — Pi Beta Phi-*1332*
A.B., Stanford, 1926
Drake, Raymond George — Long Beach — LD 88+5 — Theta Delta Chi-*1828*
Drake, Thomas E. — Palo Alto — LD 98+162 — 201 Columbia-*2137*
Draper, E. Murray — San Bernardino — LD 90+70 — 125 Branner-*I*
[23]Draper, F. Douglas — London, England — Chem. 170–9 — Delta Tau Del.-*1363*
Draper, Ralph Clayton — Palo Alto — Econ. 184+75 — Zeta Psi-*B*
A.B., Stanford, 1926
[5]Drasdo, Albert P. — San Diego — Econ. 101·50+62 — 106 Sequoia-*75*
[4]Dresbach, Winifred Wood — Palo Alto — Ed.G.A. gr. — 1238 Cowper-p
A.B., Stanford, 1904
[5]Dressler, Olie Gaylon — Los Angeles — Chem. gr. — 29 Salvatierra-*2151*
A.B., Emporia, 1914; A.M., Stanford, 1926
Drew, Harvey L. — Pasadena — Min. gr. — Theta Xi-*1355*
A.B., Stanford, 1925
Drew, Viva MacArthur — San Francisco — Hist. 134+58 — Alpha Phi-*1387*
[4]Drews, Helen Sophia — Chicago, Ill. — LD ‡ — San Mateo-Box 249, sm

[3]Driscoll, John Lawrason — San Mateo — LD 15+4 — 240W.SantaInez,SM-sm
[234]Driscoll, Thomas Albert — San Mateo — LD 15–3 — 240W.SantaInez,SM-sm
Drodjin, Alexander J. — Berdiansk, Russia — E.E. gr. — 558 Encina
Graduate, Institute of Technology, Kharkoff, Ukraine, 1923; Engineer, Stanford, 1926
Dryden, Horace Walter — Concord — Hist. 36·144+60 — Sigma Chi-*628*
A.B., Stanford, 1926
Duckett, Harold Leslie — Los Angeles — LD 68–3 — Alpha Delta Phi-*J*
[3]Dulfer, Paul Alexander — San Francisco — Engl. 108· — 722 Funston, SF-sf
[234]Dunbar, Ernest Albert — Alameda — LD sp. 28+12 — 37 Salvatierra-*A*
[5]Dunbar, W. H. Kruger — Alameda — Min. 153+18 — Chi Psi-*1648*
Duncan, John Parker — Campbell — LD 40+16 — 228 Encina-*2571*
[4]Duncan, Mildred — Los Angeles — Engl. gr. — 10 Salvatierra-*1332*
A.B., Randolph-Macon, 1919
[4]Duncan, Mildred Lillian — Oroville — LD ‡ 8+5 — 224 Roble
Duncan, Philip C. — Virginia City, Mont. — Law 128+52 — 313 Sequoia-*646*
Duncan, Robert Cahoone — Red Bluff — Econ. 141+3 — Delta Kap.Epsilon-*O*
Duncan, Theodore Roosevelt — Palo Alto — LD 54·46+32 — 643 High-p
Duncan, W. Bryan — Palo Alto — E.E. gr. — 170 Tasso-p
A.B., Stanford, 1925, Engineer, 1926
[5]Duncombe, Arthur Grosvenor — Pasadena — Soc. S.-Jn. 42·133+28 — 317 Union-*2*
[34]Dunfee, Albert Moores — Oakland — S.Engr.108+113 — 1290Univ'ty-*2511*
[5]Dungan, Jack M. — Exeter — Econ. 93·84+2 — KappaSigma-*1326*
Dungan, John Anthony — Exeter — LD 45+26 — 415 Encina-*2813*
Dungan, Mary Virginia — Exeter — Hist. gr. — Alpha Omicron Pi
A.B., Stanford, 1925
Dunham, O. Berton, Jr. — Brawley — LD 38–23 — 323 Encina
Duniway, John Cushing — Northfield,Minn. — Law gr. — 201 Union-*65*
A.B., Stanford, 1925
Dunkley, Sam Joseph — San Francisco — LD 47+34 — 124 Encina
[1]Dunlop, Rachel Thayer — Hartford, Conn. — Engl. 22·156+199 — Card.Hotel-*878*
A.B., Stanford, 1926
[4]Dunn, Ailsa Livingston — San Francisco — LD 78–10 — 230 Roble-*1387*
[5]Dunn, Edwin Ginnyaun — Canton, China — Educ. 90·36–11 — 168 University-p
Dunn, Frank McAllister — San Francisco — LD 60+27 — Alpha Delta Phi-*J*
[1]Dunn, Jack — St. Paul, Minn. — Engl. ‡ 33+0 — 603 Lytton-p
[2]Dunn, W. Lee — San Francisco — LD 11–44 — 138 Branner-*2008*
[1]§Dunne, Eugene Joseph — San Francisco — LD 6–12 — 281 Addison
Dunnigan, William — Anaconda, Mont. — Econ. 90·92+92 — 515 Univ.-*1143*
A.B., Stanford, 1926
[4]Durham, Lee — Hemet — Educ. gr. — 1648 California, M-m
B.S., Oregon Agricultural, 1920
[4]Durst, David M. — Orland — Educ. gr. — Stanford Univ.
B.S., California, 1912, A.M., 1915
[4]Durston, Wayne Alvin — Redondo Beach — S.Biol. gr. — 149 Cowper-p
A.B., Stanford, 1924; A.M., 1925
[4]Duruz, Willis Pierre — Davis — Bot. gr. — 223 Union-*988*
B.S., Rutgers, 1917, M.S., 1922
Duryea, Helena — Palo Alto — LD 46+15 — 308 Roble
Dutton, Gayle Roberds — Los Altos — LD 43+39 — Los Altos-la
[12]Dutton, John Ellis — Long Beach — Econ. 45·135+7 — PhiSig.Kap.-*538*
A.B., Stanford, 1926
Duval, Eugene Seymour — Ventura — LD 93+110 — SigmaAlphaEps.-*1305*
[5]Dye, Everette Lee — Plainview, Tex. — LD 85·36+7 — Theta Chi-*1383*

§ Deceased October 17, 1925

Dyer, Guy Kimball	Auburn	LD 90+72	Sigma Nu-*1385*
Dyer, Roger James	Glendora	LD 43+1	416 Encina-*1331*
Eakin, Margaret Adelaide	Berkeley	Med. gr.	2310 Buchanan, SF-sf
A.B., Pomona, 1922; A.M., Stanford, 1925			
Eardley, George G.	Los Gatos	Econ.90·90+48	AlphaSig.Phi-*1357*
A.B., Stanford, 1926			
Eardley, Wendell Arthur	Bakersfield	Min. gr.	Theta Xi-*1355*
A.B., Stanford, 1926			
Earle, Margaret Mae	Palo Alto	Ed. G.A. gr.	619 Webster-p
A.B., Stanford, 1926			
Eaton, Arthur James	Watsonville	LD 45+22	324 Encina-*737*
[1]Eaton, Donald Kent	Palo Alto	Law gr.	421 Bryant-p
A.B., Harvard, 1923			
[5]Eaton, Monroe Davis	Stockton	Chem. 154+243	215 Branner-*905*
[4]Ebert, Eleanor Louise	San Francisco	Econ. ‡	1462 9th Ave., SF-sf
Eckelberry, Orren S.	Glendale	Med. gr.	1275 Bush, SF-sf
A.B., Kansas, 1923			
Eckhoff, Robert Holland	San Rafael	M.E. gr.	Phi Kappa Sigma-*1306*
A.B., Stanford, 1926			
[4]Ecklon, C. Laurence	San Francisco	LD ‡	Toyon-*2337*
Edgren, Robert Durand	Los Angeles	LD 48+86	217 Encina-*1943*
Edinger, Richard Martin	Pasadena	Econ. 101·45–19	Sig.Al.Eps.-*1305*
[4]Edington, Anna Leta	Stanford Univ.	Engl. gr.	Roble
B.S., Oregon Agricultural, 1925			
[12]Edlin, Raymond Jerome	San Francisco	LD 102–30	226 Union-*64*
Edmiston, Joseph Reynolds	Riverside	Soc. S. 90·41–2	125 Branner-*1817*
Edmonds, Rowland Ward	Chula Vista	LD 43+22	209 Encina-*1907*
Edmondson, Edgar S.	Baldwin Park	LD 44–16	349 Encina-*1714*
Edmondson, Horace L.	Baldwin Park	Law 159–10	238 Branner-*1714*
Edson, Charles Farwell, Jr.	Pasadena	LD 69–12	1112 Ramona-*1456*
[34]Edwards, Alice May	San José	LD 14+10	326 Roble
Edwards, Ambrose Y.	Greenville, Tex.	Econ. 90·45+52	314 Sequoia-*2103*
[5]Edwards, Mary Haven	Alameda	LD 62+54	228 Roble-*2593*
Edwards, Muriel Emma	Wallace, Idaho	Med. gr.	1235 Hyde, SF-sf
A.B., Stanford, 1921			
[4]Eells, Walter Crosby	WallaWalla, Wash.	Educ. gr.	1627 College-*2675*
A.B., Whitman, 1908; A.M., Chicago, 1911			
[4]Efird, Miriam K.	Winston-Salem, N.C.	Engl. gr.	Roble
A.B., Wisconsin, 1923			
[4]Egger, Harold L.	Georgetown, Tex.	Educ. gr.	216 Union-*2177*
A.B., Southwestern, 1924			
[5]Ehrhorn, Dorothy	Mountain View	S.Educ. gr.	Mountain View-mv
A.B., Stanford, 1924			
Ehrhorn, Jack Macfarlane	Mountain View	Min. gr.	Mountain View-mv
A.B., Stanford, 1924			
[23]Ehrman, Alexis Lawrence, Jr.	Menlo Park	LD 25–18	436 Encina
Ehrsam, David M.	Enterprise, Kans.	LD 95+39	129 Branner
[12]Eibel, Donald Brower	Hollywood	LD 32·13–25	1004 Emerson-p
Eisman, George Philip	Portland, Ore.	LD 84+33	PhiGammaDelta-*1324*
Ekblaw, George Elbert	Paxton, Ill.	Geol. gr.	445 Hamilton-p
A.B., Illinois, 1922; A.M., 1923			
Elgin, Robert Anderson	Madisonville, Ky.	Min. gr.	242 Middlefield-p
A.B., Stanford, 1926			
Elias, Ted, Jr.	Los Angeles	LD 34·44–2	106 Encina-*1167*
[34]Elkus, Charles Albert	San Francisco	LD 15+3	451 Encina-*2443*
[12]Eller, Charles Howe	Albuquerque, N.M.	Pre-Clin. 153+59	Theta Xi-*1355*

Ellerby, Alfred Eric — Long Beach — Econ. 135·51+25 — 554 Encina
A.B., Stanford, 1926
[4]Ellestad, Theodore Alfred — Coalinga — S.Educ. gr. — 542 Cowper-p
B.S., Oregon Agricultural, 1916
[34]Elliott, David Kenneth — Los Angeles — Econ. 63·119–9 — PhiGam.Del.-*1324*
[4]Elliott, Ellen Brailsford — Los Angeles — Educ. gr. — 110 Roble-*2425*
A.B., Stanford, 1925
[4]Elliott, Loyd Creighton — Phoenix,Ariz. — Educ. gr. — 136 Toyon
B.S., Arizona, 1913
[13]Ellsworth, George I. — Grass Valley — LD 47–20 — 545 Encina-*526*
Elmer, Anton D. — Manila, P.I. — LD 48+17 — 204 Encina
[7]Elms, Eugene R. — Los Angeles — LD 5–9 — 249 Encina
Ely, Bernard Colean — Bakersfield — LD 44+9 — 329 Encina-*1262*
Ely, Northcutt — Phoenix, Ariz. — Law gr. — Sigma Nu-*1385*
A.B., Stanford, 1924, J.D., 1926
[1]Emmons, Robert Edmund — Palo Alto — Econ. gr. — 656 Bryant-p
A.B., Stanford, 1925
Empey, Lucas W. — San Francisco — Med. gr. — 2401 Sacramento, SF-sf
A.B., Stanford, 1924
Enderud, Alice Oline — Portland, Ore. — Fr. 136+146 — Sigma Kappa-*1327*
Enderud, William L. — Portland, Ore. — Econ. 5·183+41 — 409 Sequoia
A.B., Stanford, 1926
[5]Endicott, Gilbert R. — Long Beach — Pol. S. 73·72+64 — 302 Sequoia-*1633*
[12]Endo, Robert Noboru — San Francisco — LD 12–28 — Japanese Club-*598*
[1]Engel, Rene L. H. — Palo Alto — Geol. gr. — 1227 Byron-p
Ch.E., Paris, 1912
[14]Engelcke, Paul H. — Cupertino — Chem. 167+169 — 909 Alma-p
Engelhardt, Lloyd F. — Hartford, S.D. — LD 93+76 — 136 Branner-*836*
England,William Henry — PoncaCity,Okla. — LD ‡ 42+29 — Sigma Chi-*1407*
[1]Engstrum, Frederick — Los Angeles — Law 108+119 — Phi Kappa Psi-*1333*
Engwicht, Harry — San José — Phys. 91·99+37 — 405 N. 3rd, SJ-sj
A.B., Stanford, 1926
Enos, Lawrence M. — San Luis Obispo — Law gr. — 324 Sequoia-*1522*
A.B., Stanford, 1924, J.D., 1926
Enright, James Robert — Santa Cruz — Med. gr. — 2211 California, SF-sf
A.B., Stanford, 1923
[4]Erickson, Alfred C. — Oak Harbor, Wn. — Econ. gr. — 637 Stanford
B.B.A., Washington, 1923
[4]Erickson, Etta Louise — Vermillion, S.D. — Educ. gr. — 150 Roble
A.B., South Dakota, 1921
[15]Erickson, Elvira Alida — Weed — LD 90+117 — 105 Roble-*685*
[13]Erskine, Helen Margaret — Detroit,Mich. — Hist.19·171+315 — Del.Del.Del.-*1325*
A.B., Stanford, 1926
Espinosa,AurelioMacedonio,Jr. — Stan.Univ — Span. 148+247 — 16 Salvatierra-*1555*
[5]Espinosa, Margarita — Stanford Univ. — Engl.92·46+34 — 16 Salvatierra-*1555*
Espy, William Compton — Palo Alto — Econ. gr. — 1052 High-p
A.B., Stanford, 1926
[4]von Estorff, Fritz E. — Potsdam, Germany — LD — 260 Toyon
[4]Estus, Mildred Margaret — Palo Alto — Cl.Lit. gr. — 651 Waverley-p
A.B., Stanford, 1922, A.M., 1923
[1]Etherington, Jean Donald — San Francisco — LD 15+2 — 310 Encina
Etter, William Kirby — Los Angeles — LD 45+68 — 325 Encina-*1991*
Eubanks, Barbara Ann — Palo Alto — Engl. 11·158+160 — Alpha Phi
[4]Eudey, Ellen — Oakland — LD ‡ — Roble
[4]Eustace, Marie Genevieve — Palo Alto — Germ. gr. — 1001 Ramona-p
A.B., Stanford, 1914, A.M., 1916

Eva, James Meredith A.B., Stanford, 1926	Hilton	Pol. S. gr.	Phi Sigma Kappa-*538*
Evans, Arthur Kent	Long Beach	LD 69–23	Phi Sigma Kappa-*538*
Evans, Charles Orrick A.B., Stanford, 1926	Riverside	Econ. 182+119	224 Toyon-*633*
[5]Evans, David LeCount	Palo Alto	Geol. 140+47	Alpha Delta Phi-*JJ*
[4]Evans, Lucy Maud	Palo Alto	LD 23·14+14	519 Webster-p
[5]Evans, Luther Harris A.B., Texas, 1923, A.M., 1924	Palo Alto	Pol.S. gr.	433 Princeton-*1703*
[12]Evans, Warren Raymond	Shelby,Mont.	LD 90+29	Branner
[1]Evans, Wesley D. L.	Salinas	Econ. 95–25	500 Encina-*1*
Evans, William A.	Cananea, Son., Mex.	Span.90·49+35	PhiKappaSig.-*1306*
[4]Everett, Garnet Alberta A.B., Kirksville State Teachers College, 1923	Spokane, Wash.	Educ. gr.	539 Lincoln-p
Everett, Lyle Benton	Santa Rosa	LD 82+9	Phi Gam. Delta-*1324*
[5]Evers, Wendell H. A.B., Stanford, 1926	Biggs	Educ. gr.	206 Sequoia
[4]Ewbank, Leola A.B., Oregon, 1914	Roseburg, Ore.	Educ. gr.	148 Roble
Ewell, Catharine D. A.B., Stanford, 1924, A.M., 1926	Canon City, Colo.	S. Educ. gr.	Manzanita-*2036*
[134]Ewert,William Van Velsor A.B., Stanford, 1926	Long Beach	Hist. gr.	245 Gerona Rd.-*2785*
Ewing, Edwina	Palo Alto	LD 45+57	380 Roble
Ewing, Sydney C. A.B., Stanford, 1923	Stanford Univ.	Geol. gr.	559 Encina-*2262*
Fagg, Charles Edward A.B., Stanford, 1926	Riverside	Law 186+24	248 Toyon-*1218*
Fain, Norman William	CampVerde,Ariz.	LD 79+28	Theta Xi-*1355*
Fain, William Hart A.B., Stanford, 1926	Auburn	C.E. 185+89	222 Toyon-*654*
Fair, Dorothy Annette	San José	S. Biol 80·76+57	226 Roble
Fairchild, Paul Lee A.B., Stanford, 1926	Santa Cruz	Pol.S. 180+4	Alpha Delta Phi-*J*
Fall, David A.	Portland, Ore.	Law 49·122–13	Sigma Chi-*628*
[1]Fang, Roland Chung A.B., Stanford, 1925	China	Hist. gr.	559 Cowper-p
[12]Farewell, Cyrus	Whittier	LD 73+48	Kappa Sigma-*1326*
Farish, Linn Markley A.B., Stanford, 1925	Woodland	Geol. gr.	Kappa Sigma-*1326*
Farley, Raymond Mervy A.B., Stanford, 1925	San Francisco	Law gr.	556 Encina-*605*
[234]Farmer, Edward M. A.B., Stanford, 1923	Palo Alto	Ed. G.A. gr.	515 University-*2047*
Farmer, Nancy Chloe	Alhambra	LD 91+20	Gamma Phi Beta-*1337*
Farr, Hannon Barker	San Francisco	Econ. 130+13	DeltaTauDelta-*1363*
[12]Farr, Marian	San Francisco	LD 88+38	253 Roble-*948*
Farr, Walter Harold A.B., Stanford, 1924	Campbell	Med. gr.	S.F. Hospital, SF-sf
Farrand, Knox	Los Angeles	LD 90+49	239 Branner-*1971*
[2]Farrell, Raymond A.B., Stanford, 1926	New York, N.Y.	Econ. 165·15+25	232 Lytton-p
[4]Farrer, Peyton McLane	Seattle, Wash.	LD sp.	227 Waverley-p
Farwell, Felix Howes	Los Angeles	Econ. 40·122+8	A.T.Omega-*1384*
Farwell, Lyndon	Los Gatos	LD 44+26	230 Encina-*2552*
[12]Fassoth, Paul Decker	Palo Alto	Econ. 92–19	Chi Psi-*1648*

Fay, Sheldon Paige	Los Angeles	Econ. 157+107	503 Encina-*723*
Fee, Doris Parker	Los Altos	Cl. Lit. 148+149	325 Roble
Fell, Walter James	Pasadena	LD 44+22	401 Encina
Fellows, Frederick D.	Burlingame	Pre-Med. 90·48+49	319 Sequoia
[5]Fennemore, Richard M.	Phoenix, Ariz.	Law gr.	Kappa Alpha-*1356*
A.B., Stanford, 1926			
[4]Fenner, Beatrice Alethea	Palo Alto	Math. gr.	1010 Forest Ct.-p
A.B., Stanford, 1922, A.M., 1923			
Fenner, Wilma Eda	Palo Alto	Cl. Lit. 135+203	1010 Forest Ct.-p
[4]Fenton, Frank L.	Santa Rosa	Engl. gr.	123 Toyon-*2607*
A.B., Stanford, 1923, A.M., 1925			
[5]Fenwick, Barbara Keese	San Francisco	Engl. 91+69	475 Forest-*2124*
[23]Ferguson, Chesley Gould	Palo Alto	LD18·30+6	Alpha Sigma Phi-*1357*
[23]Ferguson, Kenneth L.	Palo Alto	Law gr.	Alpha Sigma Phi-*1357*
A.B., Stanford, 1926			
Fernelius, W. Conard	Ogden, Utah	Chem. gr.	*327* Union-*1931*
A.B., Stanford, 1926			
[3]Ferns, John Hamilton	Burlingame	LD 15+12	1500 Cortez, B-b
[12]Ferrando, Aldo	Butte, Mont.	Geol. gr.	311 Union
A.B., Stanford, 1926			
Ferrante, Anthony Ambrose	San Francisco	Med. gr.	158 11th Ave., SF-sf
A.B., Stanford, 1925			
Ferrante, Peter Joseph	Monterey	Law 127+67	244 Toyon
[5]Fershtand, John A.	San Francisco	Chem. 135·40–5	307 Union-*2653*
[4]Fetzer, Jacob Henry	Lockeford	LD	241 Toyon
Feusier, Cecile Marie	San Francisco	Engl. gr.	Pi Beta Phi-*1332*
A.B., Stanford, 1926			
[4]Fickel, Ruth Etta	Delaware, Ohio	Engl. gr.	855 Waverley-p
A.B., Ohio Wesleyan, 1917; A.M., Pennsylvania, 1922			
Fickert, Marshall M.	San Francisco	LD 38–11	*336* Encina-*565*
[12]Field, John, 2nd	Palo Alto	Chem. gr.	1636 Emerson-p
A.B., Stanford, 1923, A.M., 1924			
[5]Figel, Clifford Godchaux	San Francisco	LD 65+17	315 Sequoia-*5*
Finch, Vincent W.	Bakersfield	Min. gr.	Theta Xi-*1355*
A.B., Stanford, 1926			
Findling, Harold	Salt Lake City, Utah	LD 36+0	111 Encina-*1099*
[4]Fischer, Elizabeth V.	New Orleans, La.	Educ. gr.	Madroño
A.B., Tulane, 1919; A.M., Stanford, 1924			
Fischer, Virginia Frances	Palo Alto	LD 98+53	400 Channing-p
[3]Fishburn, Doris Catherine	Los Angeles	LD 65·14+8	Roble
[4]Fisher, Florence K.	San José	Hist. gr.	Stanford Univ.
A.B., College of the Pacific, 1924			
[4]Fisher, Richard Allen	Palo Alto	LD ‡	215 Cowper-p
Fisk, John Lee	Beverly Hills	LD 40–11	308 Encina-*2613*
Fitkin, Mary-Louise	Brooklyn, N.Y.	LD 54+75	*266* Roble-*1044*
Fitz, Kathleen Adkisson	Los Angeles	LD 48+38	261 Roble
[4]Fitzpatrick, Frank Charles	San José	Educ. gr.	*324* Emerson
A.B., Stanford, 1923			
Fitzsimons, Harold Ignatius	San Francisco	Bact. 95·85+37	57 Belcher, SF-sf
A.B., Stanford, 1926			
Flagler, Paul	Wimbledon, N.D.	Law 160+12	312 Union
Flaherty, Thomas Chauncey	Riverside	LD 91+15	Phi Kappa Sigma-*1306*
Fleishhacker, Herbert, Jr.	Menlo Park	LD 39+4	Encina-*1831*
[12]Flesher, Beatrice Elise	Denver, Colo.	Soc. S.-Jn. 188+128	220 Roble-*667*
A.B., Stanford, 1926			
[12]Fletcher, Lawrence Salmons	San Diego	LD 107+52	Phi Delta Theta-*1334*

Flickinger, Don Davis — Los Angeles — LD 45+14 — 401 Encina-*2026*
Flint, Calvin Charlie — Long Beach — LD 49·50+30 — 326 Encina-*1951*
Flint, Morton Mitchell — Hollister — LD 47+23 — 27 Encina-*2371*
Flohr, Edward M. — Wallace, Idaho — LD 48+48 — 351 Encina
Flood, Henry Lee — Ponca City, Okla. — LD 80–8 — Sigma Chi-*1516*
Flory, John Winston — Pasadena — LD 91+53 — County Road-*1203*
[4]Flynn, Katherine M. — Carbondale, Colo. — Span. gr. — 255 Roble
A.B., Kansas, 1910
[4]Foley, Helen Mary — Menlo Park — Cl. Lit. gr. — Menlo Park-mp
A.B., College of the Sacred Heart, 1922; A.M., Stanford, 1925
Follansbee, George S., Jr. — Los Angeles — Min. gr. — Theta Xi-*1355*
A.B., Stanford, 1925
Fonda, Charles Percy, Jr. — Inglewood — LD 45+36 — 335 Encina-*1297*
Fontaine, George Kingdon — Saratoga — LD 47·95+18 — Delta Upsilon-*1353*
Foote, Hannah Frances — Modesto — Span. 90·96+138 — 214 Roble-*887*
A.B., Stanford, 1926
[5]Foote, Lucius K. — Newport, Ore. — Econ. 110·50+29 — 643 High-p
Force, George Heilig — Oakland — LD 44+24 — 318 Encina-*581*
[23]Forcè, Lilian L. — Oakland — LD 66·40+20 — Al.Omicron Pi-*1367*
[5]Forch, Dorothy Lucille — Nampa, Idaho — Hist. gr. — Madroño
A.B., Stanford, 1925
Ford, Harriet Allena — Los Angeles — LD 106+64 — Kap.Kap.Gamma-*1354*
Ford, John Joseph — Los Angeles — LD 94+59 — 310 Toyon-*1816*
[23]Forderer, Eleanor Kingsbury — Burlingame — Ed.G.A. 70·110+56 — Al.Om.Pi-*1367*
A.B., Stanford, 1926
Fordyce, Dorothy Elizabeth — Sunnyside, Wn. — LD 93+46 — 206 Roble-*1301*
[23]Forker, Floyd Wilson — Los Angeles — Econ. 135+20 — 201 Branner-*1603*
Forker, Paul Welch — Los Angeles — LD 92+27 — 201 Branner-*1603*
[23]Forney, Ross A. — Raisin City — Econ. 132·54–15 — 129 Emerson-p
[5]Forrest, Edwin Llewellyn — San Francisco — LD 87–19 — Beta Theta Pi-*1335*
[23]Forster, Albert Edward — Los Angeles — LD 31+33 — 320 Encina
[12]Forster, Donald F. — Watsonville — Zoöl. 13·209+76 — 558 Encina-*951*
A.B., Stanford, 1926
[1]Forsyth, George Thomas — Portland, Ore. — C.E. 191+26 — 513 Encina-*1855*
A.B., Stanford, 1926
[1]Fort, William A. — Los Angeles — LD 60+22 — 30 Lasuen-*1324*
[12]Fortine, Dwight Hugh — Long Beach — Min. 182+123 — 407 Sequoia-*1693*
A.B., Stanford, 1926
[4]Foster, Homer Peter — Anaheim — Pol.S. gr. — 255 Toyon-*2586*
B.S., State College of Washington, 1914
Foster, Paul Bradstreet — Fresno — S.Bus. gr. — 338 Waverley
A.B., Pomona, 1925
[34]Foster, Robert Sanford — San Francisco — LD 8–10 — Encina-*1335*
[12]Fouch, Florence L. — Maxwell — LD 84+164 — 102 Roble-*939*
Foulke, Edson L., Jr. — Yreka — LD 84+1 — 529 Channing-*1617*
[1]Fowler, Carolyn Lyle — Detroit, Mich. — Hist. gr. — 20 Cabrillo
A.B., Smith, 1925
[5]Fowler, Robert Butler — Modesto — Law 90·85+25 — 236 Branner
[4]Fowler, Ruth Peters — Conrad, Mont. — Math. gr. — Manzanita
A.B., Montana State University, 1923
Fox, D. Scott — Palo Alto — Med. gr. — 1533 Waverley-p
B.S., Cornell, 1913, Ph.D., 1919
Fox, Irene Henrietta — Keota, Colo. — LD 90+145 — Gamma Phi Beta-*1337*
[124]Fox, Lois Ione — Palo Alto — Chem. 187+214 — 1101 Waverley-p
A.B., Stanford, 1926
Fox, Stark — Los Angeles — LD 41+14 — 217 Encina-*1613*

Foxworthy, Herbert Leslie	Hollywood	LD 46+67	326 Encina-*2634*
Foye, Charles Edward	San Francisco	Law gr.	1300 Emerson-p
A.B., Stanford, 1925			
[4]France, Mildred Ruth	Long Beach	LD	221 Roble-*2255*
Francis, Cyril Herbrand	Los Angeles	Chem. 131+96	108 Sequoia-*2153*
[134]Franich, Martin John	Watsonville	LD 15·15+14	232 Encina *2281*
[5]Frank, Eddie	Stanford Univ.	Hist. 128+9	235 Branner-*80*
[4]Frank, Glenn Olive	Eugene, Ore.	Educ. gr.	Roble-*2473*
A.B., Oregon, 1922			
Frank, James Eugene	San Francisco	LD 47+12	121 Encina-*141*
Frankel, Philip Adolph	Los Angeles	LD 42–6	123 Encina
[23]Franken, Joseph J.	El Centro	Hist. 90·60+26	106 Sequoia
[234]Franklin, Harvey B.	San José	Educ. gr.	251 Singletary, SJ-sj
Ph.B., Chicago, 1911			
Franklin, John Curtis	Stanford Univ.	Phys. 182+283	PhiDel.Theta-*1334*
A.B., Stanford, 1926			
[4]Franklin, John Patterson	Palo Alto	LD ‡	130 Fulton-p
Fraser, Robert McKibben	Stanford Univ.	Span. 146+142	13 Toyon-*932*
Frasse, Irvin Arqués	San José	Law gr.	Alpha Sigma Phi-*1357*
A.B., Stanford, 1926			
[4]Fratis, Sue Louise	Oakland	Educ. ‡ 16+21	455 Forest-p
Frazee, S. Robert	San Diego	LD 47·42+5	426 Encina-*736*
[12]Frazier, Alfred E.	Berkeley	Pol. S. 117+84	223 Toyon-*1016*
[5]Frazier, Clarence Mackay	San Francisco	Law 164+47	Phi Kappa Psi-*1333*
[4]Frazier, Dorothy Williams	Palo Alto	Hist. gr.	Forest Apts.-p
A.B., Stanford, 1925			
Frazier, George Martin	Eagle Rock	Pol.S. 184+147	Delta Chi-*1304*
A.B., Stanford, 1926			
Frazier, Wallace Emile	Portland, Ore.	LD 46+34	226 Encina-*1921*
Fredrickson, Robert Lee	San Francisco	LD 56–11	Theta Chi-*1383*
Freedman, Cecil Louis	San Francisco	M.E. 144+187	Los Altos-la
Freeman, Chris	Bakersfield	LD 42·58–9	17 Encina-*1214*
[4]Freeman, George Walker	Fresno	Educ. gr.	847 Bryant-*2532*
A.B., Spokane, 1920; A.M., Washington, 1925			
Freeman, Marcus Philip	Alameda	M.E. 125+2	Theta Xi-*1355*
[12]Freidenrich, David	San Francisco	Law 180+48	325 Union-*36*
A.B., Stanford, 1926			
[3]French, Andrews Carroll	Sacramento	LD 49·15+9	121 Encina
[12]French, Dorothy Lou	Palo Alto	LD 74·29–21	521 Addison-p
French, Dorothy May	Los Angeles	LD 94+171	112 Roble-*513*
[4]French, Evelyn Fatland	Fresno	Phyl. gr.	1181 College
A.B., Reed, 1915			
[12]French, Florence Elizabeth	Los Angeles	Hist. 19·163+242	114 Roble-*513*
A.B., Stanford, 1926			
French, Henry Dearborn, Jr.	Riverside	Law gr.	334 Waverley-p
A.B., Pomona, 1925			
[12]French, Herbert Hutton	Oakland	LD 59·50–35	Al.TauOmega-*1384*
French, Samuel W.	Stanford Univ.	E.E. gr.	312 Union
A.B., Stanford, 1925			
French, Walter Gordon	Hollywood	LD 44+16	250 Encina
Frey, Richard Clark	Palo Alto	LD 46+2	616 Forest-p
Frick, Barbara	Los Angeles	LD 44+74	310 Roble
Frick, Madeline	Los Angeles	LD 88+138	Kap.AlphaTheta-*1336*
Friebel, Helen Mae	Whittier	S. Educ. gr.	Madroño-*637*
A.B., Stanford, 1925			

[12]Friedlander, Richard	San Francisco	Hist. 9·173+131	218 Branner-*585*
A.B., Stanford, 1926			
Frink, Frederick William	Palo Alto	E.E. gr.	554 Hawthorne-p
A.B., Stanford, 1925, Engineer, 1926			
[3]Frisbee, Lynn Buck	San Francisco	LD 15+3	404 Encina
[3]Fritschi, Alfred M.	San Francisco	LD 12–5	Encina
Fritts, Don E.	Paradise, Kans.	Econ. 136+48	Delta Chi-*1304*
[3]Frohlich, Irving Albert	San Francisco	LD 21·	235 Encina
Frost, Daniel James	Santa Cruz	LD 46–7	344 Encina-*562*
[234]Fry, Donald Hume, Jr.	South Pasadena	Zoöl. 89·48+37	309 Union
Fry, Dudley Louis	Manteca	LD 30–25	*232* Encina
[1]Fry, Leland Ray	Saratoga	LD 13+2	Saratoga-s
Fry, Marietta	Palo Alto	LD 83+22	Kap.Kap.Gamma-*1354*
Fry, Orvin Philip	Benicia	Chem. 163–10	106 Branner
Frye, Frank A., Jr.	San Diego	Law 183+101	Phi Kap.Sig.-*1306*
A.B., Stanford, 1926			
Frye, Frank Brewster	Redlands	LD 85·76–20	Kingscote-*1029*
Fuendeling, Mervyn J.	San Francisco	Med. gr.	536 5th Ave., SF-sf
A.B., Stanford, 1924			
Fuendeling, Valdi Bush	San Francisco	Med. gr.	536 5th Ave., SF-sf
A.B., Stanford, 1924			
Fuller, Dana L.	San Francisco	Econ. 180+53	DeltaKap.Eps.-*O*
A.B., Stanford, 1926			
Fuller, Douglas R.	Campo Seco	LD 50+93	*226* Encina
Fuller, Lon Luvois	Escondido	Law gr.	Delta Chi-*1304*
A.B., Stanford, 1924, J.D., 1926			
Fulmor, Theodore G.	Anaconda, Mont.	Chem. 23·135+76	313 Sequoia
[1]Fulton, Ruth Vivia	Vancouver, B.C.	Chem. gr.	Manzanita-*32*
A.B., British Columbia, 1918, A.M., 1919; Ph.D., Stanford, 1926			
Funk, Kenneth Boucher	Los Angeles	LD 39+0	251 Encina-*2651*
[4]Gafford, James Albert	Huntington Park	Chem. gr.	216 Toyon
A.B., Whittier, 1926			
[4]Gail, Theodore Henry	Cherryvale, Kans.	Educ. gr.	302 Union-*2256*
B.S., Kansas State Teachers College, 1924			
Galbraith, Howard John	Bakersfield	LD 38–3	*362* Encina-*2212*
Galbraith, William Kenneth	Calumet, Mich.	Law gr.	405 Kipling-*1164*
A.B., Michigan, 1923			
Gallagher, Florence Rowe	Ely, Nevada	Soc.S.-Jn. 64·108+135	200 Roble
Gallagher, Hubert R.	Grand Junction, Colo.	LD 43+15	244 Encina-*1736*
[3]Gallagher, Wallis E.	San Francisco	LD 85·11–4	121 Encina-*2183*
Gallery, Fred Julius	Oakland	LD 107+20	137 Toyon
Galliher, Edgar Wayne	Palo Alto	LD 48+11	804 Channing-p
Gammon, Cyril	Hood	Zoöl. 184+95	Sig. Alpha Eps.-*1305*
A.B., Stanford, 1926			
[134]Gandy, Robert Arvon	Santa Monica	Hist. 118+25	247 Toyon-*1974*
[12]§Gardiner, Laura Isabella	Riverside	Cl.Lit.12·93+112	Pi Beta Phi-*1332*
Gardner, Edwin Alton	Ventura	LD 64+11	315 Everett-*2019*
Gardner, Edwin Lee	Ventura	LD 70–23	218 Toyon-*2021*
Gardner, Kenneth Drake	San Francisco	Med. gr.	929 Haight, SF-sf
A.B., Stanford, 1923			
Gardner, Thomas Lemuel	Bakersfield	LD 45+18	380 Kingsley-p
[4]Garfield, Carroll Camilla	Bandon, Ore.	LD ‡	166 Roble
Garibaldi, James Donald	Merced	LD 81+54	Phi Delta Theta-*1334*

§ Deceased January 12, 1926.

Garner, Leslie William — Baldwin Park — LD 46+21 — 416 Encina-*1923*
[4]Garnett, Christopher B. — Washington,D.C. — Phil. ‡ — Union
Garnett, Ernest Edwin, Jr. — San Diego — C.E. 97·56+82 — 800 University
Garrett,HomerLycurgus — BatonRouge,La. — Educ. gr. — 550 Addison-*612*
A.B., Louisiana, 1914; A.M., Columbia, 1921
[4]Garrison, Hildred Bulifant — Ceres — Educ. gr. — 150 Roble-*2315*
A.B., William and Mary, 1924
[4]Garrison, Noel Hunt — Colusa — Educ. gr. — 429 Ruthven-p
A.B., California, 1900
Garten, Ruth Muriel — Long Beach — Med. gr. — 2310 Buchanan, SF-sf
A.B., Stanford, 1923
Garthwaite, John Gilbert — Berkeley — Econ. 123+12 — Kappa Alpha-*1356*
[4]Garvey, Thecla — Oakland — Educ. gr. — *322* Roble-*2705*
A.B., Colorado, 1914
Gaspar, Louis A. R. — Honolulu, T.H. — Chem.-Med.202+150 — 306Tyn.-*1108*
A.B., Stanford, 1926
Gatch, Jeannetta Allen — Fresno — LD 11·39+40 — 275 Roble
Gates, Dorothy Vernon — Pasadena — Hist.45·76+31 — Kap.Kap.Gam.-*1354*
Gates, Tirzah Maris — Pasadena — LD 85+32 — Kap.Kap.Gam.-*1354*
Gaw, Harold P. — Naturita, Colo. — Min. 108+20 — 213 Branner-*914*
[4]Gaw, Murray Edward — Helena, Mont. — LD ‡ — 204 Toyon
Gee, Samuel Chong — Los Angeles — LD 58–4 — 459 Hamilton-*1257*
[5]Gemmell, Margaret E. — Los Angeles — S. Educ. gr. — Pi Beta Phi-*1332*
A.B., Stanford, 1926
[23]Genereaux, Raymond P. — Stanford Univ. — Chem. 9·182–5 — Phi Kap. Psi-*1333*
George, Dorothy Kathryn — Los Angeles — Econ. gr. — Delta Delta Delta-*1325*
A.B., Stanford, 1926
George, George Rodney — San Francisco — Econ. 128+10 — 114 Toyon-*I*
[4]George, Guy G. — Coeur d'Alene, Idaho — Educ. gr. — 935 Boyce-p
B.S., Whitman, 1913
[4]George, Otto — Oakland — Educ. gr. — Beta Theta Pi-*1335*
A.B., California, 1918
[1]Gerlough, Ludwig Sherman — Mayfield — Hist. gr. — Box 128, Mayfield
A.B., Idaho, 1909
[1]Gianelli, Rudolph L. — Stockton — Law gr. — Hotel Ramona-p
A.B., California, 1917
Gibbons, Henry — San Francisco — Pre-Med.135+122 — 301Branner-*641*
Gibbons, Lewis Alberto — So. Pasadena — Law gr. — Sigma Alpha Eps.-*1305*
A.B., Stanford, 1925
Gibbons, Mary Beulah — San Francisco — LD 37·33–3 — 258 Roble
Gibbs, Allison Johnson — Manila, P.I. — LD 63+65 — 17 Kingscote-*1414*
Giberson, Merrill Bennett — Richmond — LD 45–6 — 429 Encina-*1932*
Gibner, Herbert C. — Ft.Leavenworth,Kan. — LD 25+9 — 357 Encina-*1163*
[12]Gibson, John Wesley — Victoria, B.C. — Educ. gr. — 11 Salvatierra-*1168*
A.M., Queen's, 1908
[4]Gibson, Josephine Ruth — Fresno — Fr. 132·13+22 — Madroño
[4]Gibson, Robert Earl — Pittsburgh — Educ. gr. — *228* Union
A.B., Valparaiso, 1919
Gibson, Thomas Benton, Jr. — Wilmette, Ill. — LD 44+21 — 106 Encina-*1996*
Gieseke, Walter — Uelzen, Germany — Germ. gr. — *329* Union-*90*
A.B., Stanford, 1925, A.M., 1926
[4]Giffen, Frances R. — Fowler — LD ‡ — *367* Roble
Giffen, Hilliard Roy — Fowler — LD 48+87 — 451 Encina
Gifford, John P. — East Bethel, Vt. — LD 23·87–4 — 17 Toyon-*606*
[12]Gilbert, Henry Dexter — Los Gatos — LD 29–23 — *230* Encina
[5]Gilbert, William I. — Los Angeles — LD 60–1 — 432 Encina-*1050*

[4]Gilkey, Wallace Alfred A.B., Stanford, 1922, Engineer, 1923	Palo Alto	Chem. gr.	1212 Fulton-p
[5]Gill, Francis	Indianapolis, Ind.	Law 121+100	14 Union-*725*
[24]Gillespie, John Wynn B.S., Georgia, 1923; A.M., Stanford, 1926	Albany, Georgia	Bot. gr.	315 Union
Gillett, Andrew Lewis	Carmel	LD 134+34	Theta Xi-*1355*
Gillett, Thomas Robert	Carmel	LD 128+13	Theta Xi-*1355*
Gilman, Maud Ruth A.B., College of the Pacific, 1916; A.M., Stanford, 1926	San José	Educ. gr.	R 2, Box 212A, sj
Giragosian, Zabelle K. A.B., Stanford, 1926	Fowler	Bact. 113·67+38	337 Roble-*2733*
[12]Givens, John Alfred	Portland, Ore.	LD 6–7	226 Encina-*1197*
Gladding, Helen Adeline	Lincoln	Span. 163+34	Al.Omicron Pi-*1367*
[5]Glade, H. Alexander	Palo Alto	Chem. 90–3	461 Homer-p
[1]Gladstone, Jacob Bernard	Menlo Park	Zoöl. 15·115–3	Menlo Park-mp
[1]Glascock, William Leon A.B., Indiana, 1905; A.M., Stanford, 1906	San Mateo	Educ. gr.	San Mateo-sm
Glen, William A.	Rock Springs, Wyo.	Law 136+54	211 Sequoia-*1002*
[5]Glenn, Joseph Travelli A.B., Wooster, 1898	Eugene, Ore.	Educ. gr.	519 Encina-*1743*
[4]Goddard, Glenn William A.B., Stanford, 1925	Corcoran	Educ. gr.	124 Toyon
[4]Goddard, John Wesley A.B., State College of Washington, 1921, A.M., 1926	Ilwaco, Wash.	Educ. gr.	1740 Middlefield-p
Godsol, Major Bryant	Chicago, Ill.	LD 46+28	338 Encina-*1781*
[1]Gold, Charles W.	Cleveland, O.	S.Biol. 121·62–8	110 Toyon-*1152*
[13]Golden, John Richard	San Francisco	LD 86+68	107 Branner-*912*
[1]Goldie, Pirie Richard	Wilmington	Econ. 71·109–9	85 Sequoia
Goldwater, Richard Michel A.B., Stanford, 1926	Los Angeles	Law 181+149	202 Toyon-*1767*
[23]Goodcell, Don H.	San Francisco	LD 26–16	248 Encina
Goodcell, Roscoe Adams	Los Angeles	LD 37+1	215 Encina-*2665*
Gooden, Carolyn Frances	Los Angeles	Cl.Lit. 146+267	202 Roble-*657*
Gooden, Robert Burton, Jr.	Los Angeles	LD 47+16	20 Encina-*657*
Goodloe, Thomas Meade, Jr.	Hollywood	LD 108+100	238 Toyon-*2784*
Goodwin, Albert B.	Gilroy	C.E. 141+90	226 Sequoia
Goodwin, Ewart Wade	San Diego	LD 44+18	426 Encina-*592*
Googin, Thomas M.	San Rafael	S.Engr. 135+66	237 Toyon-*614*
[4]Goold, John Vernon A.B., Stanford, 1920	Morgan Hill	S.Educ. gr.	133 Toyon
[4]Gordon, George Louis A.B., Stanford, 1925	Boulder Creek	Educ. gr.	322 Union
[5]Gordon, Leslie Oral A.B., Stanford, 1926	Santa Ana	S.Educ. gr.	207 Branner-1281
Gordon, Morris A.B., Stanford, 1925	San Francisco	Med. gr.	199 Capistrano, SF-sf
Gorham, Curtis Byron A.B., Stanford, 1924	San Diego	Med. gr.	2215 Buchanan, SF-sf
Gorham, Henry Douglas	Redwood City	LD 39–7	Emerald Lke.-Box 195,rc
[4]Gorst, Myrtis Effie	North Bend, Ore.	LD	157 Roble
Gosslin, William Leslie A.B., Stanford, 1925	Portland, Ore.	Pol.S. gr.	533 Encina-*1005*
[2]Gottenberg, Mabel Jones B.S., California, 1913; A.M., Stanford, 1926	San José	Chem. gr.	405 N. 3rd, SJ-sj
Gottschalk, William, Jr. A.B., Stanford, 1926	Los Angeles	Econ. 185+172	208 Branner-*1786*

[4]Gould, Carrie May B.L., California, 1909	Santa Cruz	Educ. gr.	176 Bryant-p
Gowell, Francis Winchester	Palo Alto	Geol. 145–14	538 Cowper-p
[12]Grady, Ainslee S. A.B., Stanford, 1924, J.D., 1926	Fargo, N.D.	Law gr.	557 Hamilton-*1624*
[5]Graff, Frederic Easton	Pasadena	LD 30–9	102 Sequoia-*2219*
[5]Graham, Alden Gerard	Portland, Ore.	Law 24·140+91	Zeta Psi-*B*
Graham, Kenneth C.	Santa Monica	Econ. 138+8	Phi Kap. Sigma-*1306*
Gramm, Doris Hope	Portland, Ore.	LD 43+20	369 Roble-*1014*
[3]Grannis,Edward Warren,Jr.	Los Angeles	LD 46·15–5	417 Encina
[124]Grannis, Virginia Ray A.B., Stanford, 1925	Los Angeles	S.Educ. gr.	Pi Beta Phi-*1332*
[4]Grant, Carrie Padon	Portland, Ore.	Educ. ‡	372 Roble-*2766*
Grant, J. A. Clifford A.B., Stanford, 1924, A.M., 1925	Los Angeles	Pol.S. gr.	207 Union-*958*
Grant, John Delano	Healdsburg	LD 81+5	Phi Gamma Delta-*1324*
[1]Grant, Ulysses S., IV A.B., Harvard, 1915	Burlingame	C.E. gr.	1137 Oxford Rd., B-b
Grant, Warren E.	Youngstown, O.	LD 92+31	22 Branner-*947*
[4]Gratiot, Claire Louise	Courtland	Math. ‡	Roble
[5]Gratiot, John Hempstead	Pacific Grove	LD 45+20	310 Encina-*2513*
Graun, Richard Ernest A.B., California, 1923	Berkeley	Med. gr.	129 Emerson-p
[5]Graves, Albert Donavon A.B., Stanford, 1926	Whittier	Psych. gr.	536 Encina-*1186*
[1]Graves, Alden Matthew	San Francisco	LD 60–22	216 Branner
[5]Graves, David Dunbar	Hollywood	Econ. 122+13	Delta Kap. Eps.-*O*
[1]Graves, Dick Wedgwood A.B., Stanford, 1926	Ogden, Utah	Phil.13·167+154	PhiKap.Psi-*1333*
[23]Graves, Jack Hiram	Willows	Law 114+25	Theta Delta Chi-*1828*
[4]Gravestock, Warren Edward A.B., Stanford, 1923	Palo Alto	Econ. gr.	211 Toyon
Gray, Carol Ross	Los Altos	LD 45+35	382 Roble
[5]Gray, Dorothy Sewell	Stanford Univ.	LD 42–6	22 Alvarado-*1155*
Gray, Earl Haskins A.B., Stanford, 1925	Petaluma	Med. gr.	2321 Sacramento, SF-sf
[4]Gray, Helen Westerman A.B., Stanford, 1918	Oakdale	Educ. gr.	Mayfield-m
[1]Gray, Miles Robert	Los Angeles	LD 60+9	Beta Theta Pi
Gray, Stewart	Benicia	LD 85–1	320 Sequoia-*1228*
Gray, Sydney MacLean	Stanford Univ.	LD 44+5	22 Alvarado-*1155*
Green, Bert M. A.B., Stanford, 1926	Fresno	Law 180+35	Theta Chi-*1383*
Green, Carl Edwin	Los Angeles	LD 107+111	128 Branner-*996*
Green, G. Garner	Los Gatos	E.E. 138+63	242 Toyon-*1142*
[4]Green, John Harrington	New York, N.Y.	LD ‡	Beta Theta Pi-*1335*
[34]Green, Oscar Fredric A.B., Rice Institute, 1916	Palo Alto	Phil. gr.	555 Waverley-p
Greenacre, Esther Florence A.B., Stanford, 1926	Greeley, Colo.	Engl. 8·180+171	Del.Del.Del.-*1325*
Greene,Frank Townsend A.B., Stanford, 1926	Cananea,Mexico	Hist.92·93+22	11 Salvatierra-*2572*
Greene, Philip Burkland	Spokane, Wash.	LD 135+76	Theta Chi-*1383*
[2]Greene, Robert L. A.B., Stanford, 1925	Santa Ana	Econ. gr.	1102 Ramona-p
Greene, Ronald Rowe	Spokane, Wash.	LD 47+34	351 Encina-*2553*

Greene, Virginia Marion Ogden, Utah LD 96+115 GammaPhiBeta-*1337*
Greenhalgh, Howard C. Jackson LD 92+45 109 Sequoia-*1422*
Greenlee, Oliver Daniel Middletown, Ind. LD 40–20 127 Encina
[23]Greenwood, Harriett F. Orland Hist. 90·54–2 DeltaGamma-*1366*
[4]Greenwood, Vernon Vallejo S. Educ. ‡ 841 Bryant-p
[14]Gregory, Gertrude Evelyn StanfordUniv. LD ‡ 12-11 14 Cabrillo-*1588*
[14]Gregory, John Munford Stanford Univ. Phil. 22·110+11 14 Cabrillo-*1335*
[1]Greiner, Francis LaSha Spokane, Wash. Econ. 182+67 323 Union-*95*
A.B., Stanford, 1926
Greisser, Arthur Hutchinson Spokane, Wn. LD 127+65 Sigma Nu-*1385*
Greisser, Victor P. Spokane, Wash. Econ. 133+45 Sigma Nu-*1385*
[12]Grelick, David New York, N.Y. E.E. gr. Stanford Park-*983*
B.S., Massachusetts Institute of Technology, 1923, M.S., 1925
Greninger, Alden B. Antofagasta, Chile LD 96+43 312 Sequoia-*1791*
[4]Greppin, Ernest H. Los Angeles LD 67+0 Alpha Sigma Phi-*1357*
Grey, Elaine Alethea Alameda LD 61+21 208 Roble-*2242*
[5]van de Griendt, Gerald H. Los Gatos Chem. gr. 561 Encina-*874*
A.B., Stanford, 1925, Engineer, 1926
Griffith, James Nelson Laguna Beach Econ.96·81+31 PhiDel.Theta-*1334*
[4]Griffith, Mary Alice Silver City, N.M. Educ. gr. 10 Salvatierra
A.B., New Mexico State Teachers College, 1925
[4]Grimes, Mark Blandell Stuttgart, Ark. Econ. ‡ 527 Emerson-p
[4]Grimwood, Rachael Goebel Sterling, Ill. LD ‡ Roble
Griswold, Gale Charles Modesto Chem. gr. 557 Encina-*938*
A.B., Stanford, 1925, A.M., 1926
[12]Griswold, Hugh Harris Palo Alto Law 37·175+129 955 Channing-p
Griswold, Marjorie B. Port Clinton, O. LD 90+97 257 Roble-*2713*
[5]Gross, J. Kathryn Salinas Hist. 151+141 Gam.PhiBeta-*1337*
[1]Grossman, Carolyn Clapp Santa Barbara LD 15·90+97 Del.Del.Del.-*1325*
[4]Grubb, Wendell Mountain View Educ. gr. 976 Calif., MV-mv
B.S., Oregon State Agricultural, 1922
[23]Gruss, Francis K. Redwood City Chem. 114·52–3 Em.Lk.Box 83,rc
Grutzmacher, Robert Lee Hollywood S. Engr. 5·127–2 137 Toyon-*1642*
[3]Guest, Harold Walter Otsego, Mich. Econ. gr. 341 Emerson-p
A.B., Albion, 1921; A.M., Illinois, 1922; Ph.D., Stanford, 1926
Guffin, Earnest E. Mankato, Kans. LD 73–5 201 Union-*1057*
[12]Guggenhime, Richard E. San Francisco LD 30+47 123 Encina
[4]Guittard, Francis Gevrier Waco, Texas Hist. gr. 218 Toyon-*2437*
A.M., Chicago, 1902
[12]Gunn, Robert M. Sausalito LD 57–15 Phi Kappa Sigma-*1306*
[12]Gunnerson, William Fulton Riverside LD 22·66+9 917 Ramona
[3]Gunsolus, Mate Palo Alto LD 15+27 455 Forest-p
[4]Gustafson, Henry A. B. Hibbing, Minn. Educ. gr. 6 Lasuen-*1334*
B.S., Minnesota, 1925
Guthrie, Frank Donald Mountain View LD 85+28 Mt. View-mv
[1]Gyde, James Ellsworth, Jr. Wallace, Ida. Law 91·103–15 307 Union-*1503*
[5]Haage, Delbert D. Forest Grove, Ore. Zoöl. 94·79+7 515 Lytton-p
[4]Haas, Leota Riegler Okmulgee, Okla. Span. gr. 158 Roble
A.B., Southern Methodist, 1923
Habegger, James Arnold Oakland Soc. S. 134+42 Chi Psi-*1648*
Hablutzel, Charles Edward San José Chem. gr. 318 Union-*1577*
A.B., Stanford, 1925, A.M., 1926
Hack, Dorothy E. Pasadena S.Biol. 46·137+138 Pac.Grove-pg
A.B., Stanford, 1926
[12]Hackett, Ruth Josephine Palo Alto Ed.G.A. 61–2 707 Middlefield-p

[4]Hadenfeldt, Charles Townsend	Oakland	LD	137 Toyon-*2795*
[234]Hadenfeldt, Frances	Piedmont	LD 68+15	AlphaOmicronPi-*1367*
[5]Hagbom, Nelden Andolf	San Francisco	LD 136+111	Al.TauOmega-*1384*
[4]Hagelin, Clarence E.	Stromsburg, Nebr.	S. Educ. gr.	115 Toyon
B.S., Nebraska, 1917			
Hagen, Emmabelle M.	Rochester, N.Y.	LD 60+4	Kingscote-*1645*
Hahn, Albert Payer	San Francisco	M.E. 95–5	230 Branner-*1090*
Hahn, Young D.	Los Angeles	Med. gr.	1449 Laguna, SF-sf
A.B., Stanford, 1923			
[4]Haider, Michael Lawrence	Los Angeles	Geol. ‡	16 Lasuen-*1356*
Haight, Herbert S.	Stockton	LD 58–3	Sigma Chi-*628*
[2]Haines, Frederick Thomas	San Francisco	LD	1755 Jackson, SF-sf
[5]Haizlip, Raymond	San Francisco	Law gr.	Phi Gamma Delta-*1324*
A.B., Stanford, 1922			
[2]Hake, Benjamin Franklin	Palo Alto	Geol. gr.	1342 Middlefield-p
A.B., Stanford, 1920			
[12]Hale, Marshal, Jr.	San Francisco	Law 182+5	Sigma Nu-*1385*
A.B., Stanford, 1926			
[12]Haley, Kenneth Wendell	Bakersfield	Min. 180+186	226 Toyon-*1468*
A.B., Stanford, 1926			
[12]Haley, William Harrison, Jr.	Fresno	E.E. ‡ 11–5	309 Kipling-p
[4]Hall, Cecile B.	Los Gatos	Educ. ‡	Los Gatos-lg
Hall, Elizabeth Pierson	Los Altos	Fr. 185+43	Sigma Kappa-*1327*
A.B., Stanford, 1926			
[4]Hall, Francis C.	New York, N.Y.	Math. gr.	215 Union-*2635*
B.S., Columbia, 1916, A.M., 1918			
[12]Hall, Giles Stark	Los Angeles	Hist. 125–19	358 Encina-*J*
Hall, Gordon, Jr.	Berkeley	LD 75+93	PhiGammaDelta-*1324*
[1]Hall, John	Hollywood	Pol.S. gr.	35 Kingscote-*1468*
A.B., Stanford, 1925			
[12]Hall, Joseph S.	Los Angeles	LD 76+90	33 Salvatierra
Hall, Lawrence Belknap	Los Gatos	LD 41–24	230 Encina-*2771*
Hall, Lieuallen Jackson	Healdsburg	LD 46+66	347 Encina-*686*
[4]Hall, Nason Eustace	Long Beach	LD	203 Toyon
[12]Hall, Victor Ernest	Palo Alto	Med. gr.	735 Middlefield-p
A.B., Stanford, 1922, A.M., 1925			
Halley, Andrew Stanton	Modesto	Econ. 90·47+49	214 Sequoia-*863*
Halley, James Woods	Rapid City, N.D.	LD 45+21	30 Encina-*817*
Hallman, Lois Field	Orange	Chem. 90·46+16	274 Roble-*928*
Halsted, Abel Stevens, Jr.	Pasadena	LD 45+51	424 Encina-*82*
[3]Halsted, Eminel Potter	San Francisco	LD 14+0	429 Encina
Halverson, Cutler W.	Oakley, Idaho	Law gr.	Phi Sigma Kappa-*538*
A.B., Stanford, 1925			
[4]Haman, John O.	San Francisco	LD ‡	137 Toyon
Hamblin, Donald William	Pasadena	LD 45+69	424 Encina-*2156*
Hamilton, Alexander J.	San Francisco	Pre-Med. 90·24–35	Univ. Hotel-p
Hamilton, Edward Morse	Santa Clara	LD ‡ 55–4	Sig.AlphaEps.-*1305*
Hamilton, Fay Dunn	Tulsa, Okla.	LD 92+118	Delta Gamma-*1606*
[4]Hamilton, Luke Munro	Oakland	Chem. gr.	206 Union-*2436*
A.B., California, 1925			
[5]Hamilton, Wallace Roy	San Diego	Pol.S. 87·86+13	KappaSigma-*1326*
Hamlyn, John Joseph	San Francisco	LD 104+61	258 Toyon-*2142*
[4]Hamm, Margaret B.	Palo Alto	LD ‡	1027 Bryant-p
[4]Hamm, Mary Alice	Centralia, Wash.	Engl. gr.	1027 Bryant-p
A.B., Oregon, 1921			

[4]Hammat, Hattie May	Fresno	Educ. gr.	Kingscote
A.B., Fresno State Teachers College, 1926			
[12]Hammer, John Edwin	San Francisco	LD 52–31	23 Toyon
[5]Hammer, Otto	Los Angeles	M.E. 167+4	Kappa Alpha-*1356*
Hammond, Wilbert John	San Diego	Soc. S. gr.	1004 Emerson-p
A.B., Stanford, 1925			
Hampton, Hugh Henderson	La Habra	Econ. 90·46+44	317 Sequoia-*2168*
[4]Hampton, Lucy Jeaton	Edmond, Okla.	Hist. gr.	147 Emerson-p
A.B., George Washington, 1914; A.M., Columbia, 1918			
Hanak, Norman William	San Francisco	Econ. 134+202	107 Branner-*1611*
Hancock, Joseph Rainey	San José	Law 123+43	122 Toyon-*1855*
[4]Hangen, Eva Catherine	Lawrence, Kans.	Engl. gr.	327 Roble-*2816*
A.B., Kansas, 1918, A.M., 1923			
Hanify, Francis Ryder	San Francisco	LD 90+45	Phi Kappa Psi-*1333*
[4]Hann, Anna	Orland	Educ. gr.	277 Roble
A.B., California, 1923			
Hanna, Henry Charles	El Segundo	LD 28–22	108 Encina-*1527*
[12]Hansen, Carl Joseph	Morgan Hill	Chem. 118+32	212 Sequoia
[34]Hansen, Hazel Dorothy	San Mateo	Cl.Lit. gr.	3 Lasuen
A.B., Stanford, 1920, A.M., 1921, Ph.D., 1926			
Hansen, Theodore Peter	San José	Hist. 90·50+20	1017 Brace, SJ-sj
Hansen, Waldemar	Navasota, Tex.	Educ. 90·48+24	430 Encina
Hansen, William Webster	Fresno	LD 51+42	248 Encina-*557*
[12]Hanson, Frederic D.	Palo Alto	Min. gr.	Forest Apts.-p
A.B., Stanford, 1924, Engineer, 1926			
Harbison, Robert Lezotte	SanBernardino	LD 89+27	Theta Chi-*1383*
[4]Harder, Thadea Lucia	Hayward	LD ‡	312 Roble
Harder, Theo	Bakersfield	LD 39+6	15 Encina
[12]Harding,Frederic Warner	El Paso,Tex.	Law 113+16	323 Sequoia-*1427*
[12]Harding, Victor Hunt	Palo Alto	Pol.S. gr.	170 Laurel-p
A.B., Stanford, 1925			
[23]Hardison, Robert Allen	Santa Paula	LD 23·24+14	109 Encina-*2793*
[5]Hardy, Edward E.	Seattle, Wash.	Law 149+67	33 Kingscote-*697*
Hardy, Jack Wagner	Los Angeles	Law 182+81	Menlo Park-*1304*
A.B., Stanford, 1926			
Hardy, May Genevieve	Montrose, Colo.	LD 94+156	103 Roble-*2294*
Hardy, Millison Cutler	San Diego	Econ.6·182+241	K.Kap.Gam.-*1354*
A.B., Stanford, 1926			
Harger, Donald K.	Los Angeles	Chem. gr.	502 Encina-*1166*
A.B., Stanford, 1925			
[5]Hargraves, John F.	Stanford Univ.	Educ. gr.	County Road-*1564*
A.B., Illinois College, 1911			
Hargreaves, Lotus Odeal	San José	Span. 152+227	Sigma Kappa-*1327*
Harkleroad, Dudley Henry	Fresno	Econ. 90·54+98	102 Sequoia-*537*
Harlow, Charles Vendale	Long Beach	Econ. 143+12	306 Union-*I*
[12]Harlow, Max B.	Thompson Falls,Mont.	M.E. 86·100+22	204 Toyon-*1088*
A.B., Stanford, 1926			
Harlow, Paul K.	Thompson Falls,Mont.	LD 67–8	204 Toyon-*1088*
Harmon, Ella Maude	Perryville, Ky.	Hist. gr.	661 Gilman-p
A.B., Kentucky, 1918; A.M., Stanford, 1925			
Harmon, F. Carlyle	Santa Clara	Chem.145+197	1065Har'son,SC-sc
[4]Harold, Elbert Wilson	Pocatello, Idaho	LD ‡	115 Toyon-*2736*
Harold, Francis Bernard	San Francisco	LD 116+6	404 Sequoia
[3]Harper, Carlos E.	Waterman	LD 10–10	423 Encina
[1]Harpoothian, Edward George	Fresno	Math. gr.	114 University-p
A.B., Stanford, 1925			

Harrell, Lorimer Benton — Merced — Law gr. — Sigma Alpha Eps.-*1305*
A.B., Stanford, 1925
[134]Harriman, Thomas Russell — Pasadena — LD 69+2 — Delta Upsilon-*1353*
[5]Harrington, Charles Henry — Corona — Math. gr. — 801 Waverley-p
A.B., Stanford, 1925, A.M., 1925
[4]Harris, Abe Perry — Stockton — Educ. gr. — 1 Lasuen
A.B., Stanford, 1903
[12]Harris, Anna — San Francisco — Engl. 108·84+94 — 319 Roble-*626*
A.B., Stanford, 1926
[4]Harris, Everett Glenn — Fresno — LD — 113 Toyon-*2587*
[124]Harris, Henry, Jr. — San Francisco — LD 45+40 — 201 Encina-*626*
Harris, Janet — San Francisco — LD 43+26 — 322 Roble-*626*
[124]Harris, Joy E. — Oakland — Pol.S. 91·35+24 — Roble
Harris, L. Earl — Fresno — LD 66–8 — Theta Chi-*1383*
[12]Harris, Leo Alvil — Santa Cruz — Educ. 162+131 — 241 Toyon-*692*
[4]Harris, Milton Hyrum — Logan, Utah — Econ. gr. — 217 Toyon
A.B., Brigham Young, 1915; A.M., Columbia, 1917
Harris, Robert Henry — Los Angeles — LD 89–3 — Zeta Psi-*B*
[5]Harrison, Fay — Los Angeles — Fr. 137+230 — 244 Roble-*61*
[4]Harrison, Marion Allen — Auberry — Educ. gr. — 1 Lasuen
B.S., Oregon Agricultural, 1915
Harrison, Standish Harold — Tacoma,Wn. — S.Engr. 139+0 — Sigma Nu-*1385*
Harroun, Catherine — Malaga, N.M. — S.Educ. 45+24 — 165 Roble
[3]Harroun, Margaret — Palo Alto — S.Educ. gr. — 251 Lincoln-p
A.B., Stanford, 1925
Hart, Charles Vinton — Los Angeles — Chem. gr. — 445 Hamilton-*1357*
B.S., Yale, 1925
Hart, Orville Haven — San José — C.E. 90·52+61 — 116 S. 9th, SJ-sj
Harter, Richard Wesley — Los Angeles — LD 83+23 — Theta Delta Chi-*1828*
Hartley, George, Jr. — San Diego — LD 43+16 — 29 Encina-*842*
Hartman, Milton Morris — San Francisco — LD 47+84 — 201 Encina
Hartmann, Henry F. — San Diego — LD 86+38 — Delta Tau Delta-*1363*
Hartsough, Christopher W. — San Diego — LD 45+22 — 22 Encina-*1641*
Hartwell, Anne Davis — Santa Barbara — LD 74+11 — 108 Roble-*503*
Hartwell, Sheldon Pearne — Los Angeles — LD 65+15 — Kappa Alpha-*1356*
[6]Harvey, Byron S. — Chicago, Ill. — Phil. 121+59 — Delta Upsilon-*1353*
[3]Harvey, John Winfield — Leadville, Colo. — LD 10–6 — 404 Encina
Harville, Richard Towner — Berkeley — Econ. 123–20 — Beta Theta Pi-*1335*
Harward, Elbert Jay — Palo Alto — Law gr. — 568 University-*1326*
A.B., Stanford, 1925
Harwood, Mary Frances — Upland — Fr. 130+142 — Kap.Kap.Gam.-*1354*
Harwood, Paul Lochry — Upland — LD 44+53 — 210 Encina-*2020*
[4]Hashimoto, Tadaichi — Yamaguchi, Japan — Chem. sp. 106–3 — 311 Middlefield-p
[5]Haskell, Dudley Haines — San Francisco — Chem. 111+83 — 420 Ramona-p
[12]Haslett, Mary Rosalie — Alameda — LD 20–9 — 245 Roble-*929*
Hasselbalch, Earl L. — St. Edward, Nebr. — Law gr. — Phi Sigma Kappa-*538*
B.S., Nebraska, 1923; J.D., Stanford, 1926
Hastings, Frank LeRoy — Los Angeles — LD 86+59 — Sigma Chi-*628*
[12]Hastings, Robert — Sawtelle — Chem. gr. — Stanford Univ.-*1216*
A.B., Stanford, 1926
Hastings, Ross Reed — Sausalito — Law gr. — Phi Gam. Del.-*1324*
A.B., Stanford, 1926
Hausch, Douglas C. — Visalia — Geol. 140+51 — Theta Chi-*1383*
[1]Hawkins, Dorothea C. — Berkeley — LD 60+25 — Al. Omicron Pi-*1367*
Hawkins, Morris Albert — San Francisco — LD 24–25 — 243 Webster-*584*

Hawkins, Robert Ziemer A.B., Stanford, 1925	Reno, Nev.	Law gr.	Kappa Alpha-*1356*
Hawkins, Stanley Lloyd A.B., Stanford, 1926	Mountain View	S.Educ. gr.	Phi Sigma Kappa-*538*
Hawkins, Wayne Lee A.B., Stanford, 1925	Mountain View	Educ. gr.	Phi Sigma Kappa-*538*
[5]Hawley, David Fletcher	Lodi	LD 31–6	111 Encina-*1334*
Hay, Byron	Bakersfield	LD 88+66	Delta Chi-*1304*
Hay, Gerald M.	Bakersfield	Econ. 141–3	Delta Chi-*1304*
Hayashi,FrancisMinoru A.B., Stanford, 1926	Yamaguchi,Japan	E.E. 183+156	Japanese Club-*598*
[4]Hayden, Sara Davis	Tempe, Ariz.	Educ.135·33+21	Women'sClubh'se
Haydock, Ethel	Oxnard	Psych. 134+75	Chi Omega-*1386*
Hayes,SamuelStewart	Birmingham,Mich.	LD 37+2	321 Encina-*2041*
Hayhurst, L. Nelson	Fresno	LD 7·46+41	232 Encina-*967*
[1]Hays, George P. A.B., Stanford, 1926	Palo Alto	Econ. 180+29	Chi Psi
Hays, Harford Holmes A.B., Stanford, 1924	Palo Alto	Engl. gr.	825 University-p
[5]Hays, Robert Paden A.B., Stanford, 1925	Berkeley	Zoöl. gr.	Theta Delta Chi-*1828*
[12]Hays, Vida A.B., Stanford, 1926	Palo Alto	Ed.G.A.55·125+19	Del.Gam.-*1366*
[2]Hays, William Eugene A.B., Stanford, 1926	Santa Ana	Econ.135·51+17	PhiKap.Psi-*1333*
[5]Hazam, John George A.B., Yale, 1923	Norwich, Conn.	Hist. gr.	22 Alvarado-*1241*
[1]Hazeltine, Karl Snyder B.S., California, 1914	San José	Educ. gr.	476 S. 10th, SJ-sj
Hazeltine, Sherman	Prescott, Ariz.	LD 45+31	234 Encina-*1254*
[4]Heath, Harrison F. B.S., Washington, 1916, A.M., 1921	Dryad, Wash.	Educ. gr.	1116 Calif., M-m
[4]Heatwole, Louise A.B., Wells, 1912, A.M., 1913	Palo Alto	Educ. gr.	525 Guinda-p
[12]Heckendorf, Percy C. A.B., Stanford, 1923, J.D., 1926	San José	Law gr.	313 Union-*883*
Hedge, James Roland	Redwood City	LD 70+27	228 Sequoia-*2542*
Hefner, Robert A.	Ardmore, Okla.	LD 97+105	Delta Upsilon
Heiges, Laurence Ephraim, Jr.	Lompoc	LD 50+38	429 Encina-*1856*
[2]Heiler, Matthew Jacob	San Fernando	Law 87·	627 Forest-p
Heineman,GertrudeTheodora	Hollywood	LD 85+28	349 Roble-*1426*
Heineman, Walter Henry	Anaheim	LD 50+29	23 Encina-*1794*
[23]Heiner, Helen Louise	Redwood City	Ed.G.A. 107·30+7	307 Roble-*2312*
[4]Heinrich, Desdemona L. M.S., Columbia, 1922	Kansas City,Mo.	Zoöl. gr.	Pacific Grove-pg
[234]Helmke, Rae F.	Fort Seward	LD 59–7	Theta Chi-*1383*
Hemmersley, Arthur F. B.S., Princeton, 1925	AtlanticCity,N.J.	Law gr.	Sigma Nu-*241*
Henderson, Adin Douglas	Los Molinos	Educ. 45·93+43	521 Encina-*501*
Henderson, Charles Mortimer	Pasadena	LD 18–17	421 Encina
Hendricks, Ira King B.S., Utah Agricultural, 1923; A.M., Stanford, 1926	Logan, Utah	Engl. gr.	Univ. Park-*1103*
[1]Henriot, Jane C.	St. Louis, Mo.	Hist. ‡ 15+16	277 Roble-*1354*
[23]Henry, Collice A.B., California, 1921, A.M., 1922	San Luis Obispo	Cl.Lit. gr.	Manzanita
Henry, Warner W. A.B., Stanford, 1926	Los Angeles	Econ. 181+85	Delta Kap.Eps.-*O*

Herbold, Paul	Los Angeles	LD 42+5	138 Encina-*1773*
Herdman, Robert Eugene A.B., Stanford, 1926	Los Angeles	Econ. 185+21	230 Union-*942*
Herndon, Leroy Travers, Jr.	Gonzales	Span. 163+199	234 Branner-*2058*
Herrington, Alan D.	Hollywood	LD 92+56	Beta Theta Pi-*1335*
[4]Herrington, Dorothy F. A.B., Stanford, 1923	Stanford Univ.	Fr. gr.	18 Alvarado
[5]Herrington, Lovic P.	Waynesboro, Ga.	Psych. 136+45	Sigma Nu-*1385*
[23]Herrington, William Charles	San Pedro	Zoöl. 96·34+49	546 Encina-*1361*
[1]§Herth, Leslie Patrick	Los Angeles	LD 74+47	Kappa Sigma-*1326*
Hertsche, Joel C., Jr. A.B., Stanford, 1926	Portland, Ore.	E.E. 188+76	233 Branner-*839*
Herz, Ludwig Ernest A.B., Stanford, 1926	Mayfield	Zoöl. gr.	Pacific Grove-pg
[5]Hess, Kenneth William	San José	Econ.174+112	Al.TauOmega-*1384*
[5]Hesthal, Cedric Edward A.B., Stanford, 1925	San Francisco	Phys. gr.	483 Addison-p
Heston, Albert Eugene A.B., Stanford, 1926	San Bernardino	Law 45·135+36	302 Branner
Hewitt, Dorothy A.B., Pomona, 1924	Long Beach	Med. gr.	324 Emerson-p
[1]Hey, Clifford L.	Isleton	Hist. 155–7	Kappa Sigma-*1326*
Hiatt, John Meredith	Rivera	LD 92+155	209 Sequoia
Hiatt, Oliver Cecil	San José	LD 46+30	228 Encina
[12]Hibbard, Harry Ambrose A.B., California, 1925	Menlo Park	S.Educ. gr.	M.P.-RFD 340C,mp
[4]Hibbard, Richard Hugh	Los Angeles	LD 5–9	16 Alvarado-*1383*
Hickman, Richard A.B., Stanford, 1926	San Francisco	Econ. 55·127+25	302 Toyon-*135*
Hieb, Otto H.	Lodi	LD 92+36	Theta Xi-*1355*
[5]Higgins, Doris Frances	Fresno	Math. 135·33+44	107 Roble-*2139*
Higgins, John T., Jr.	Watsonville	LD 99+59	134 Branner-*1278*
Higgins, Martin Joseph Graduate, St. Patrick's Seminary	Palo Alto	Cl.Lit. gr.	745 Waverley-p
Higinbotham, Mary A. B.S., Kansas State Agricultural, 1925	Manhattan,Kans.	Hist. gr.	Kingscote-*675*
Hill, Alexandra Leslie	Konocti Bay	LD 84+12	Sigma Kappa-*1327*
[4]Hill, Andrew P. A.B., Stanford, 1922	San José	Educ. gr.	356 S. 12th, SJ-sj
Hill, Donald Kinman	Long Beach	LD 73+3	Delta Upsilon
Hill, Forrest Macaulay	Sacramento	LD 61+41	529 Channing-p
Hill, Harold Preston	Palo Cedro	LD 87+17	109 Sequoia-*1517*
Hill, Henry Eric	Redding	LD 49+30	357 Encina-*46*
Hill, Jessie M. A.B., Missouri, 1917, B.S., 1919; A.M., Stanford, 1916	Kansas City, Mo.	Hist. gr.	Madroño-*2045*
Hill, Lowell Reed A.B., Pomona, 1925	Upland	Med. gr.	325 Union
Hill, Ward Ames A.B., Stanford, 1926	San Francisco	Law 184+230	220 Toyon-*1855*
Hilmer, Roland William	San Francisco	LD 20·51–21	Chi Psi-*1648*
[4]Hilts, B. Marian A.B., Rockford, 1915	San Francisco	Pub. H. gr.	Roble
Hinckle, William	San Diego	Law 126+68	PhiKappaSig.-*1306*

§ Deceased November 25, 1925.

[4]Hinckley, Helen B.S., Brigham Young, 1924	Ogden, Utah	Hist. gr.	333 Roble-*2796*
Hinckley, LeRoy L.	Watsonville	LD 92+42	AlphaKap.Lambda-*658*
[4]Hind, Alice Gertrude	Redwood City	LD ‡ 9–3	148 Harrison, RC-rc
Hindry, Horace Waldo	Denver, Colo.	LD 84–10	242 Branner-*2157*
Hines, Don Carlos	San José	Phyl.-Med.194+368	201Toyon-*896*
Hines, Frederick Edwards	San José	LD 15·91+171	116 Toyon-*896*
[5]Hinkle, George Henry A.B., Stanford, 1926	Truckee	Engl. gr.	611 Bryant-p
[1]Hitchcock, Lewis G.	Stanford Univ.	Law 142+28	315 Union-*981*
Hjelm, Harold LeRoy A.B., Stanford, 1925	Turlock	Law gr.	214 Union-*1468*
Hoagland, Jackson	Phoenix, Ariz.	LD 50–6	431 Encina-*871*
[4]Hobart, Lewis Deming	San Francisco	LD	241 Toyon
[12]Hobbie, Henry William	Redwood City	Chem. 92+11	55 Sequoia
Hobro, William L. A.B., Stanford, 1926	San Francisco	Min. 242+81	319 Encina-*1855*
[12]Hobson, Charles Wilfred A.B., Stanford, 1924, J.D., 1926	Whittier	Law gr.	314 Sequoia
[5]Hobson, Henry David	Newberg, Ore.	LD 48·53+49	446 Encina-*1883*
Hobson, Oliver Lincoln	Torrance	LD 46+27	303 Encina
Hodges, Jack O.	Tulare	LD 41+0	445 Encina-*1046*
Hodgson, John Robert	Maricopa	LD 35+0	315 Encina
[5]Hoeber, Ralph Carl A.B., Oregon, 1921, A.M., 1923	Portland, Ore.	Law gr.	222 Kingsley-p
[12]Hoefer, Andrew J.	Palo Alto	LD 92·51+8	611 Bryant-p
[1]Hofflund, John Leslie A.B., Stanford, 1924, J.D., 1926	Palo Alto	Law gr.	935 Boyce-*541*
Hoffman, Clifford Pearson	Petaluma	LD 90+29	Zeta Psi-*B*
Hoffman, John Wade	Grimes	LD 88+44	250 Branner-*891*
[5]Hoffmann, Floyd Edward A.B., Stanford, 1925	Palo Alto	Law gr.	442 Tasso-p
Hoffmann, Paul Edward A.B., Stanford, 1925	San Francisco	Med. gr.	1955 Leavenworth,SF-sf
Hoffmann, Pauline May A.B., Stanford, 1926	Los Angeles	Law 22·159+50	247 Roble-*1978*
[4]Hogan, Fred P. A.B., Fresno State Teachers College, 1925	Fowler	Educ. gr.	374 Kingsley-p
Hogan, James Marion	Campbell	LD 39–6	228 Encina
Hogan, Phyllis Marie	Fowler	Math. 129+54	374 Kingsley-p
Hogan, Verda Irene	Fowler	Psych. 137+163	374 Kingsley-p
Hogg, Agnes Patricia	Saratoga	Soc. S. 90·37–12	269 Roble-*1616*
Hogle, Milton Monroe A.B., Stanford, 1926	Lincoln	Law 186+20	Theta Chi-*1383*
Holland, Robert Paul A.B., Stanford, 1926	Logan, W.Va.	Econ.129·51+65	Del.TauDel.-*1363*
Hollembeak, Hugh Ryan A.B., Stanford, 1926	Long Beach	Law 185+169	AlphaSig.Phi-*1357*
[5]Holliday, Guy	Palo Alto	Educ.61·120+10	1111Greenw'd-*517*
Hollingsworth, John B.	Hemet	LD 45+51	309 Encina-*2652*
Hollingsworth, William I.	Los Angeles	LD 81+0	DeltaKappaEpsilon-*O*
[4]Hollinshead, Laura F.	Pacific Palisades	Educ. ‡	Roble
[4]Hollister, Enid S. A.B., Olivet, 1887	Arcata	S.Educ. gr.	Madroño-*2305*
[4]Holly, Natalie Josephine B.S., Adelphi, 1919	Palo Alto	Law gr.	1425 Alma-p

Holman, Cranston William Santa Rosa LD 130+95 Alpha Delta Phi-*JJ*
Holman, William Harry Stanford Univ. Geol. gr. StanfordPark-Bx.668,p
A.B., Stanford, 1926
[3]Holmes, Arthur George Coronado LD 16·14+2 434 Encina-*2181*
Holmes,HerbertM. HaydenJunction,Ariz. LD 66+39 16 Branner-*1891*
[4]Holmes, Ross Bartscht Sacramento LD ‡ 214 Toyon-*2815*
Holston, Doris Joyce Mayfield LD 31·41+40 200 Leland, M-m
[5]Holt, Haynes Hammie Texarkana, Ark. Econ. 122+52 1004 Cowper-p
Holt, Richard Fillius Caldwell, Idaho LD 14·47+39 122 Encina-*1615*
Hongo, Harry Tatsuo Okayama, Japan LD 90+36 Japanese Club-*598*
[1]Hood, William Moore Douglas, Ariz. LD 13+1 Encina
Hooker, Philip Burton Beverly Hills Econ. 9·171+92 KappaAlpha-*1356*
A.B., Stanford, 1926
Hooker, Theron Potter Beverly Hills LD 94+34 Kappa Alpha
[12]Hoover, Allan H. Stanford Univ. LD 65+3 131 Toyon-*708*
[1]Hoover, Hulda Swanton LD 106+47 *332* Roble-*A*
Hoover, Malvern Edward Santa Monica Geol. 186+200 231 Branner-*2261*
A.B., Stanford, 1926
[4]Hopkins, Robert James San Mateo Educ. gr. 124 Griffith, SM-sm
A.B., California, 1920, A.M., 1922
Hopkins, Theodore A. Santa Cruz Econ. 180+73 211 Toyon-*1887*
A.B., Stanford, 1926
Hopkins, Warren Daniel Los Angeles LD 35–1 345 Encina-*2198*
[23]Hopper, Franklyn Winone Palo Alto LD 40·31+5 305 Churchill-p
[3]Hopper, Lois Wilbur Palo Alto S.Biol. 124+31 305 Churchill-p
Hord, William Merwyn Calgary, Alberta Engl. 91·21–13 630 Lincoln-p
Horii, Masaru Michael Los Angeles LD 87+23 Monterey-m
Horine, William Henry Okmulgee, Okla. Law 152+107 Alpha Sig.Phi-*1357*
[4]Hornbuckle, Seykora San Diego Educ. gr. *275* Roble
A.B., San Diego State Teachers College, 1925
[5]Hornkohl, F. Frank Chicago, Ill. S.Engr. 127+19 917 Ramona-p
Hossom, Lynn O. Long Beach LD 94+67 AlphaTauOmega-*1384*
[4]Hostetler, Ivan P. Miami, Ariz. Educ. gr. 532 Forest-p
B.S., Kansas State Normal School, 1919
[4]Hostetler, Mervin Pleasant Lake, Ind. Educ. gr. 334 Waverley-p
A.B., Goshen College, 1923
Hotchkiss, Ardin Dale Covina LD 93+6 121 Toyon-*955*
[5]Hotchkiss, Harold K. Altadena Law 132+60 AlphaSig.Phi-*1357*
[1]House, Maxwell Santa Barbara LD 54–19 Toyon
[22]Houser, Lionel Louis Burlingame LD 30+43 235 Encina
Hovey, Charles Garoutte San Francisco Econ. 30·150+83 540 Encina-*701*
A.B., Stanford, 1926
[1]How, John Hock Canton, China LD 115+3 98 Broadway, RC-rc
[4]Howard, George Carver Los Altos Educ. gr. Los Altos-la
Graduate, Bridgewater (Mass.) State Normal School, 1880
[4]Howard, Helen Proctor Los Altos LD ‡ Los Altos-la
Howard, Kenneth Winslow Sacramento LD 43+41 345 Encina-*1494*
Howard, Lot Duncan San José LD 61+75 1132 Settle, SJ-sj
Howe, Ralph Denny Palo Alto Med. gr. 951 Channing-p
A.B., Stanford, 1925
Howe, W. Sandford Sacramento Pre-Clin. 90·77+3 567 Melville-p
Howell, Louis O. El Paso, Tex. S.Engr.104·47+18 555Encina-*2145*
[5]Howell, Stanley Palo Alto Law gr. 115 Alma-p
A.B., Utah, 1922

[1]Howes, James Marvin A.B., Reed, 1915	Portland, Ore.	Educ. gr.	324 Emerson-p
Howlett, Frank, Jr.	San Francisco	LD 47+69	118 Encina-*1277*
[4]Hoxie, Henry Luke	Los Angeles	LD	304 Toyon-*2545*
[124]Hoxie, Stephen Parker	Los Angeles	LD 20·70+7	DeltaTauDelta-*1363*
Hoxsie, John Whitman	HuntingtonBeach	LD 30·32–12	Kappa Sigma-*1326*
[4]Hoy, Elvin Albert B.S., Oregon State Agricultural, 1925	Milwaukie, Ore.	Phys. gr.	1 Lasuen
[4]Hsieh, Fen-Cheng A.B., Colorado College, 1924	Canton, China	Law gr.	334 Homer-p
Hsieh, Wen Ping A.B., Stanford, 1925	Hupeh, China	Engl. gr.	Chinese Club-*1136*
Hsiung, Wen Ming	Nanchang, China	Psych.45·91+22	Chinese Club-*1492*
[5]Huang, I.	Amoy, China	Psych.120·44+63	ChineseClub-*1119*
[14]Hubbard, Richard Kapp	Riverside	LD 52·111+121	301 Union-*1304*
Hubbard, William Henry, Jr.	Saratoga	LD 90–8	Phi Kappa Sigma-*1306*
Hubler, Fred Faber	El Segundo	LD 41–3	108 Encina-*601*
[23]Hudson, Bradford B.	Pacific Grove	LD 29+29	310 Encina
[4]Hudson, Ruby Moench B.S., Oregon State Agricultural, 1925	Albany, Ore.	Educ. gr.	459 Hamilton-p
[4]Hudson, William Henry B.S., Oregon State Agricultural, 1925	Albany, Ore.	Educ. gr.	459 Hamilton-p
[3]Huff, Warren Rebstock B.S., Knox, 1922; A.M., Stanford, 1926	Palo Alto	Hist. gr.	Los Altos-*2223*
Huffman, Hugh Martin A.B., Stanford, 1925, A.M., 1926	Los Angeles	Chem. gr.	502 Encina-*651*
Hughes, Cornelius Louis	San Francisco	M.E. 134+37	404 Sequoia
Hughes, G. Herndon A.B., Stanford, 1926	Fayette, Mo.	Pol.S. 85·97+35	506 Encina-*521*
[13]Hughes, James Shepard	Oroville	Law 67·66–11	PhiSigmaKap.-*538*
Hulen, Ray Jessie	Long Beach	LD 31+0	303 Encina-*552*
Hull, Richard H.	Alturas	LD 100+35	107 Sequoia-*1193*
[4]Hull, William Roy A.B., Hastings, 1905	Clarkdale, Ariz.	Educ. gr.	321 Lytton-p
[4]Hulme, Gertrude May B.S., Idaho, 1903	Palo Alto	Educ. gr.	638 Channing-p
Hulme, Mary Louise	Palo Alto	LD 90+72	Delta Gamma
Hulsman, Walter Charles	Campbell	LD 44+31	116 Encina-*1813*
Hulstede, George Edgar A.B., Stanford, 1926	San Diego	M.E. 90·92+110	203 Union-*1722*
[5]Hume, Robert Arthur	Brookings, S.D.	LD 3·44+72	315 Encina-*1468*
Humfreville, William Hardesty	Pasadena	LD 47–7	236 Encina-*1285*
Humphrey, Harold Eugene A.B., Stanford, 1926	Reno, Nev.	Econ. 180+68	Sig.Al.Eps.-*1305*
[124]Humphreys, Philip Elfers	Madera	LD 19–6	140 Encina-*1049*
[1]Huneke, Albert Hussey A.B., Stanford, 1926	Los Angeles	Hist. 9·171+18	847 Bryant-p
Huneke, Helen Josselyn	Spokane, Wash.	LD 7·89+122	106 Roble-*1190*
[1]Hunkins, Byron Churchill	Fresno	LD 90·38–23	501 Encina-*1468*
Hunkins, Wilfred Romayne A.B., Stanford, 1926	Fresno	Law 90·128+70	309 Union-*1468*
Hunsberger, Clarita	Los Angeles	Fr. 13·142+197	Del.Del.Del.-*1325*
[23]Hunt, LeRoy Lousley	Santa Barbara	Law 110+50	113 Branner-*805*
[4]Hunt, Margaret May A.B., Fresno State Teachers College, 1925	Fresno	Educ. gr.	18 Alvarado
[5]Hunt, Robert Walter	Santa Barbara	Zoöl. 165+104	219 Encina-*805*

Hunter, Charles H.	Point Arena	Hist. 138+28	141 Toyon-*605*
[12]Hunter, Lewis Warren	Sacramento	LD 36–17	PhiGam.Delta-*1324*
Huntington, Virginia	Palo Alto	LD 41–3	Roble
Huntington, Winifred	Hollywood	LD 93+72	DeltaDeltaDelta-*1325*
Hurley, Peter R.	Albion	Law gr.	535 Encina-*1381*
A.B., Stanford, 1925			
[12]Hurst, Walter Parnall	Fillmore	LD 65–23	727 Addison-*937*
[5]Husband, Richard David	Modesto	Ch-M.59·165+170	PhiSig.K.-*538*
[4]Hutcherson, Mervin L.	San Francisco	LD	141 Toyon-*2737*
[23]Hutchins, McConnell, Jr.	El Paso, Tex.	M.E. 90·31+0	345 Lincoln-p
Hutchinson,LesterBowser	Reading,Mass.	M.E. 202+131	309 Sequoia-*655*
A.B., Stanford, 1926			
[4]Huxtable, Ethel Elizabeth	Burlingame	S.Educ. gr.	1107 Douglas, B-b
B.S., Hastings, 1915			
[3]Hyde, Harold Hunt	Cupertino	Econ. 90·15+18	Cupertino-c
Hyde, William Avery	Palo Alto	Min. gr.	334 Lincoln-p
A.B., Stanford, 1924			
Hyland, Frank W., Jr.	San Francisco	Pol.S. sp. 131+39	Delta Ups.-*1353*
[5]Hyman, Wallace Audrey	San Francisco	Law gr.	206 Union
A.B., California, 1924			
Iams, Harley A.	San Diego	M.E. 90·47+67	304 Sequoia-*1454*
[12]Ichihara, Aritsune	Tokyo, Japan	Pol.S. ‡ 0–11	Japanese Club-*598*
[4]Icke, Lewis Roland	Escondido	Educ. gr.	Union-*2277*
A.B., Baker, 1912			
Ihrig, Laura J.	San Francisco	Pub.H. gr.	2678 Calif., SF-sf
A.B., California, 1924			
[1]Ingebretsen, James C.	Salt Lake City,U.	LD 38+22	112 Branner
Ingram, William Truitt	Palo Alto	LD 44+15	825 Cowper-p
[4]Innes, Wells William	Santa Ana	Educ. gr.	329 Union-*1363*
A.B., Stanford, 1924			
[23]Iriki, Keisuke	Kagoshima, Japan	LD 93+78	Japanese Club-*598*
[3]Iriye, Iskuma	Fukuoka, Japan	Econ. gr.	Japanese Club-*598*
Graduate, Waseda, 1924			
Irvine, Samuel Rodman	Los Angeles	LD 47+24	43 Encina-*2323*
[5]Irvine, William	Stockton	Engl. 96+157	525 University-p
Irving, Donald R.	Hollywood	Min. gr.	249 Toyon-*1*
A.B., Stanford, 1926			
[5]Irving, Lois E.	Palo Alto	LD 23·45+31	331 Roble
Irwin, Clarence	Portland, Ore.	Math. 136+231	327 Emerson-p
[5]Irwin, Jacob Carney	Twin Falls, Idaho	Educ. gr.	419 Encina-*2668*
A.B., Stanford, 1926			
[2]Irwin, John B., Jr.	Minneapolis, Minn.	Econ. 34·150+65	Delta Ups.-*1353*
A.B., Stanford, 1926			
[5]Isaacs, Hart	Los Angeles	LD 102–5	245 Branner-*2004*
[1]Isensee, Frank Paul	Stanford Univ.	Econ. 173+45	Sequoia
Israel, Alida De Royter	Linden	Law gr.	519 Webster-*1833*
A.B., Mills, 1925			
[12]Israel, Delmer Truesdell	Mayfield	Law gr.	Mayfield-m
A.B., Reed, 1924			
Israel, Harry Frederick	Mayfield	Psych. 47·94+122	Mayfield-m
[1]Issel, Joseph M.	San Francisco	LD 57–4	Menlo School,MP-mp
Izzard, Carl Frederick	San Mateo	LD 48+44	307 Encina-*2104*
Jackson, Ellsworth Harry	San José	LD 45·68+20	133 Toyon
Jackson, Paul Edgar	Los Gatos	Pol.S. 95·86+71	206 Union-*1942*
A.B., Stanford, 1926			

[1]Jackson, Paul R. Redding Law 181+194 138 Branner-*21*
A.B., Stanford, 1926
Jackson, Robert Charles Los Angeles LD 46+11 141 Encina
Jacobs, Alfred Edward Santa Monica LD 44+64 118 Encina
[4]Jacobs, Charles Louis Santa Barbara Educ. gr. 910 Ramona-p
A.M., Stanford, 1912
[14]Jacobs, Donald P. San Francisco LD 51–6 Phi Sigma Kappa-*538*
Jacobs, William H. Battle Creek, Mich. M.E. 42·145+76 130 Branner-*2693*
A.B., Stanford, 1926
[4]Jacobsen, Kirsten S. Owensmouth Phil. ‡ Roble-*1822*
[5]Jacobsen, Lydik Stanford Univ. Phys. gr. 525 Forest-*1822*
A.B., Stanford, 1921
[23]Jacobson, David S. Brawley LD 71+32 224 Toyon
[4]Jacoby, Rosalie L. Los Angeles Fr. 104·10+9 329 Roble
[1]Jaffee, Joseph Edward Cincinnati, Ohio Pol.S. 135·51+18 275 Hamilton-p
A.B., Stanford, 1926
Jagels, George Daniel Mountain View LD 50+54 1098 Villa, MV-mv
James, Albert Louis Denair Econ. 90·46+45 308 Sequoia
§James, David J. Los Angeles Econ. 35·156+2 Del.TauDel.-*1363*
A.B., Stanford, 1926
James, Jared Warner Denair Econ. 90·51+27 308 Sequoia
[2]James, Norris Edward Palo Alto Hist. 199+5 215 Churchill-p
A.B., Stanford, 1926
[124]James, Vern Palo Alto Math. gr. 604 Tennyson-p
A.B., Indiana, 1912; A.M., Columbia, 1916
Jameson, Moroni Long Beach LD 91+17 Sequoia-*566*
[34]Jamison, Emma Van Noy Santa Clara Econ. gr. Santa Clara-sc
A.B., Stanford, 1925
[12]Jankelson, Marvin H. Far Rockaway, N.Y. Law gr. Los Altos-la
A.B., Stanford, 1926
[4]Jantzen, Daniel F. Phoenix, Ariz. Educ. gr. 626 Forest-p
A.B., Arizona, 1921
[34]Jardine, Douglas Seymour Pasadena LD 37–29 Phi Kappa Psi-*1333*
[1]Jayne, Burt H. Palo Alto Law 10·180+108 1827 Cowper-p
A.B., Stanford, 1926
Jayred, Wallace Bierce Pasadena Law 140+76 Alpha Delta Phi-*J*
[1]Jeannin, Margaret Louise Pasadena LD 4·62+75 326 Roble
Jeffers, Wayne Echard Hume, Ill. LD 66+91 431 Encina-*998*
[4]Jenkins, Kenneth B. San Francisco LD ‡ 258 Toyon
[5]Jensen, Dortha Edith Palo Alto Psych. gr. 274 Park Blvd.-*132*
A.B., Indiana State Normal, 1922
Jensen, Milton B. Palo Alto Educ. gr. 274 Park Blvd.-*132*
B.S., Utah Agricultural, 1924; A.M., Stanford, 1925
[5]Jeong, Bessie Yeen San Francisco Pre-Med. 90·42–3 154 Roble-*1884*
[5]Jergins, Merritt Dean Los Angeles LD 146+31 Delta Upsilon-*1353*
[4]Jessen, Jack Pomona Pre-Med. gr. 311 Union
A.B., Pomona, 1926
Jimerson, Jack Richard Payette, Idaho Med. gr. 2215 Buchanan, SF-sf
A.B., Stanford, 1923
Joaquin, Thomas T. Sutter City LD 80–3 Delta Chi-*1304*
Johansen, Donald Alexander Palo Alto Bot. gr. 205 Sequoia-*989*
A.B., Stanford, 1925; A.M., 1926
[4]Johnson, Adella Minneapolis, Minn. Educ. gr. 11 Salvatierra
A.B., Minnesota, 1905; A.M., Washington, 1925

§ Deceased June 13, 1926.

Johnson, Arthur Beers — Palo Alto — Chem. 143+95 — 403 Kingsley-p
Johnson, Arthur Best — Huntington Beach — Econ. 102·86+94 — 514 Encina
A.B., Stanford, 1926
Johnson, Charles Christian — San Francisco — Med. gr. — 2402 California, SF-sf
A.B., Stanford, 1924
[4]Johnson, Clarence E. — San Diego — Educ.gr. — 19 Toyon
B.S., South Dakota State College, 1920
Johnson, Edith Matilda — Tacoma, Wash. — Chem. 136+219 — Chi Omega-*1386*
[5]Johnson, Edna Mae — Sacramento — LD 21·60+43 — Alpha Phi-*1387*
[4]Johnson, Effie Timanus — Fresno — Educ.gr. — Kingscote
A.B., Fresno State Teachers College, 1926
[1]Johnson, Elmer William — Everett, Wash. — Econ. 96·84+45 — 229 Byron-*538*
A.B., Stanford, 1926
Johnson, Judith Ellen — Long Beach — LD 10·87+114 — 300 Roble-*1592*
Johnson, Julie R. — Aberdeen, Wash. — Educ. gr. — 115 Alma-p
A.B., Stanford, 1913, A.M., 1926
Johnson, Kenneth Mitchell — San José — Law 90·90+43 — 260 S. 3rd, SJ-sj
A.B., Stanford, 1926
[4]Johnson, Lottiellen — Sacramento — Ed.G.A. 109·47+48 — Roble
Johnson, Melvin Harold — San José — Law 6·174+121 — 304 Toyon-*2112*
A.B., Stanford, 1926
[4]Johnson, Nels Albert — Oakland — Educ. gr. — 233 Union
A.B., Pacific Union, 1916
Johnson, Samuel Raymond — Cupertino — Econ. 109+2 — Delta Tau Del.-*1363*
Johnson, Walter A. — Los Angeles — LD 69–4 — Alpha Delta Phi-*J*
Johnson, William Edward, Jr. — San Francisco — LD 64+20 — Phi Gamma Delta-*1324*
[1]Johnson, William Ruel, Jr. — Delta, Colo. — LD 76–10 — Phi Gamma Delta-*1324*
[12]Johnston, Charles Francis — Los Angeles — Geol. 141–29 — 309 Union
Johnston, George Hield — San Mateo — LD ‡ 63+51 — 205 Encina
[1]Johnston, Jane Foulks — Topeka, Kans. — LD 12+14 — 543 Cowper-p
Johnston, William Barksdale — Fresno — LD 90+40 — 235 Toyon-*2233*
Johnston, William Rowland — San Francisco — Psych. 121–11 — Alpha Delta Phi-*J*
[4]Jones, Dorthe Squier — Palo Alto — LD ‡ — 1432 Webster-p
[5]Jones, Frank — Appleton, Wis. — Engl. gr. — 551 Lytton-p
A.B., Stanford, 1926
Jones, Fred Norman — Victor, Colo. — Chem. 180+72 — 213 Toyon-*1855*
A.B., Stanford, 1926
[5]Jones, Herbert Edward — Kansas City, Mo. — Math. 117·55+68 — 853 Middlefield-p
[4]Jones, Jean Armstrong — Jackson, Ohio — LD ‡ — 342 Roble
[4]Jones, John E. — Kerman — Educ. gr. — 522 University-p
A.B., McPherson, 1917
Jones, Malcolm Nixon — San Bernardino — Pre-Med. 135+233 — 308 Bran'r-*1013*
[4]Jones, Naomi B. — Ridgeway, Ohio — Engl. gr. — 855 Waverley-p
A.B., Ohio Wesleyan, 1925
[24]Jones, Thorold Aldred — Chicago, Ill. — Engl. 47–19 — 142 Toyon-*2225*
Jones, Wilfred Dole — Burlingame — LD 30–25 — 107 Encina-*2205*
[12]Jongeneel, Frances Alberta — Berkeley — Econ. 23·122+24 — Al.Omi.Pi-*1367*
[4]Jopson, Ida — San José — Educ. gr. — 331 Roble
A.B., Stanford, 1920
[12]§Jordan, Eric Knight — Stanford Univ. — Geol. gr. — 722 26th Ave., SF-sf
A.B., Stanford, 1925; A.M., 1926
[24]Jordan, Jack Carrol — Crow Agency, Mont. — LD 12–8 — 804 Channing-p
[4]Jordan, Natalie F. — Berrien Springs, Mich. — Span. gr. — 314 Roble
A.B., Michigan, 1923

§ Deceased March 10, 1926.

Jordan, Ruth Esther — San Francisco — Soc.S.-Jn.7·137+145 K.A.Th.-*1336*
[4]Jorgensen, Margretha — Yacolt, Wash. — Ed.G.A. ‡ — 315 Roble
[4]Jory, Harold B. — Everett, Wash. — Educ. gr. — 314 Union
A.B., Willamette, 1915
Joseph, Samuel — Los Angeles — LD 86+16 — 538 Encina
[3]Joson, Rafael Pablo — Gapan, N.E., P.I. — LD 78·14–4 — 2 Cabrillo-*1605*
Jost, John Sharp — Nevada City — LD 27–9 — 425 Encina
[4]June, Perry E. — Denver, Colo. — Educ. gr. — PA-RFD 1, Box 212, p
A.B., Colorado College, 1916
[4]Jungermann, Reinhold John — Palo Alto — Educ. gr. — 1328 Emerson-p
M.S., California, 1913
Kackley, Evan M. — Long Beach — Zoöl. 135+152 — *252* Toyon-*1110*
Kahle, James Garvin — Columbus, Ohio — Econ. 135·51+14 — 303 Union-*2372*
A.B., Stanford, 1926
Kalenborn, Margaret — Redwood City — LD 90+98 — Gamma Phi Beta-*1337*
Kamm, Katherine — Fresno — LD 85+10 — Alpha Phi
[5]Kao, Chih — Canton, China — Chem. 90·46+24 — Chinese Club-*727*
Kao, Han — Foochow, China — Psych. gr. — *2* Salvatierra-*34*
A.B., Colorado, 1925
Karr, Frank Randolph — Los Angeles — Law 180+46 — *232* Branner-*1141*
A.B., Stanford, 1926
Kartsaklides, Vasileos George — Greece — LD ‡ 48–13 — Palo Alto Hotel-p
Kaseberg, John Kenneth — Portland, Ore. — LD 22·94+118 — 138 Branner-*808*
[5]Kaufmann, Felton Dolph — San Francisco — LD 48+51 — 307 Encina
[5]Kavanaugh, Charles Richard — Stockton — LD 63+106 — 521 Channing-p
Kawaguchi, Tadashi — Sausalito — LD 50+18 — Japanese Club-*598*
Kawai, Kazuo — Akashi, Japan — Hist.135·47+92 — Japanese Club-*598*
A.B., Stanford, 1926
[4]Kay, Mary Evelyn — Palo Alto — Zoöl. gr. — 834 Kipling-*528*
A.B., Tulane, 1924
Kay, Raymond Myer — Los Angeles — Pre-Med.6·177+179 — 202Toyon-*178*
Kazanjian, John Casey — Fresno — LD 66·45+5 — 418 Encina-*1071*
Keating, Hallie Joyce — San Francisco — LD 69+11 — 263 Roble-*980*
Keegan, Thomas James — Los Angeles — LD 46+52 — 105 Encina-*1885*
[5]Keeler, Leonarde — Berkeley — LD 14·71+4 — Menlo Heights-*16*
Keene, Beryl Monroe — Los Angeles — Econ.47·106+36 — Al.TauOme.-*1384*
Keerl, Robert Denison — Huntington Park — LD 69–4 — Alpha Delta Phi-*J*
[5]Keesling, Wana Myrle — Campbell — Engl. gr. — Alpha Omicron Pi-*1367*
A.B., Stanford, 1925
[1]Kehoe, Edward LaVerne — Ukiah — LD 1–14 — 41 Encina
[1]Keifer, Harry Edward, Jr. — Palo Alto — LD 10–11 — *225* Lincoln
Keith, Frank Allen, Jr. — Los Angeles — Econ. 113–18 — Alpha Delta Phi-*J*
[23]Keith, John Barwell — Los Angeles — LD *27*+15 — 331 Encina-*1901*
Kellenberg, George A. — Manteca — LD45·47+20 726C'no delMar,SF-sf
Kelley, Harold H. — South Pasadena — LD 90+96 — Zeta Psi-*B*
Kelley, Kenneth — San Francisco — LD 79+87 — 850 Powell, SF-sf
[1]Kelley, Kenneth Keith — Palo Alto — Chem. gr. — 111 Tennyson-p
A.B., Stanford, 1923, A.M., 1924, Ph.D., 1926
[2]Kelley, Sara Meskimons — Palo Alto — Chem. 12·143+144 — PA-Box 425, p
[5]Kellogg, Frederick — Palo Alto — Chem. 145+188 — Al.Kap.Lamb.-*658*
[5]Kelly, Adelaide Frances — Palo Alto — Ed.G.A. gr. — Chi Omega
A.B., Stanford, 1926
[4]Kelly, Alfred Leroy — Overton, Nev. — Educ. gr. — 1535 College
A.B., Brigham Young, 1919
Kelly, John Henry — Palo Alto — LD 44+34 — 332 Encina

[4]Kelsey, Frank B.	Owensmouth	Geol. gr.	324 Union
A.B., State College of Washington, 1918			
[4]Kelsey, Ruth M.	Sterling, Colo.	Educ. gr.	505 Everett-p
A.B., Colorado, 1923			
[28]Kelso, George C.	Palo Alto	Zoöl. gr.	151 Melville-p
A.B., Stanford, 1925			
Kelton, Fannie Louisa	Fayetteville, Ark.	Engl. gr.	Manzanita
A.B., Arkansas, 1913			
[3]Kemnitzer, Luis E.	Oakland	Geol. 4·195+124	Delta Ups.-*1353*
A.B., Stanford, 1926			
[18]Kenaston, John Frederick	Santa Monica	LD80–1	Delta Kappa Epsilon-*OO*
Kengel, Edward Francis	Los Angeles	LD 71+14	Alpha Delta Phi-*J*
[23]Kennedy, John Hanscom	Omaha, Nebr.	LD 27+17	434 Encina-*2161*
[4]Kennedy, Robert B.	San José	Educ. gr.	841 Willis, SJ-sj
A.B., Stanford, 1924			
[1]Kenney, Hugh Edgar	Ontario	LD 36–41	500 Encina-*2017*
Kenney, John Edward	Venice	Econ.116+49	PhiDeltaTheta-*1334*
Kenney, William John	Pebble Beach	Law gr.	Sigma Alpha Eps.-*1305*
A.B., Stanford, 1926			
Kenward, Allan Richard	Berkeley	LD 25–1	333 Encina
Kerfoot, William Neeland	St. Paul,Minn.	Pol.S. gr.	463 Ruthven-p
A.B., Hamline, 1925			
[12]Kerley, Dorothy Stewart	Los Angeles	LD 76·34+49	Pi Beta Phi-*1332*
Kern, Albert Eugene	San Francisco	LD 39+0	229 Encina-*1073*
[5]Kerr, James William	Los Angeles	Educ.167+45	DeltaTauDelta-*1563*
[4]Kessler, Frederick Carl	CanonCity,Colo.	Educ. gr.	201 Cooley-p
A.B., Colorado State Teachers College, 1920			
[4]Kevin, Katharine	Menlo Park	Engl. gr.	Menlo Park-mp
A.B., College of the Sacred Heart, 1924			
Keyes, Richard G.	Winslow, Ariz.	Econ. 90·91+71	Sig. Al. Eps.-*1305*
A.B., Stanford, 1926			
Kibby, Leo Paul	Sanger	LD 33–14	246 Encina-*1862*
[4]Kiech, Veon Carter	Albuquerque, N.M.	Chem. gr.	17 Toyon-*2376*
A.B., New Mexico, 1924			
[4]Kier, Edward Wachtel	San Diego	LD ‡	6 Lasuen-*1334*
Kildale, Doris Kell	Eureka	S.Biol. 90·112+198	219 Roble-*922*
A.B., Stanford, 1926			
Kimball, George Pulsifer	Honolulu, T.H.	LD 44+10	325 Encina-*671*
Kimball, Gordon Stanley	National City	LD 42+23	209 Encina-*1936*
[4]Kimball, Isabel Jane	Ithaca, N.Y.	Ed.G.A. gr.	Madroño
A.B., Stanford, 1925			
[4]Kimball, Mabel Edna	San José	Span. gr.	96 S. 10th, SJ-sj
B.L., California, 1908			
[4]Kimber, George Card	Le Grand	Educ. gr.	323 Union
A.B., Stanford, 1920			
[3]Kimberlin, Dorothy Emilee	Fresno	LD 13+10	354 Roble
[12]Kime, Harold Clark	Cupertino	Educ. gr.	Cupertino-Box 397,c
A.B., Culver-Stockton, 1925			
King, Clarence van H.	San Francisco	Law 163–3	Chi Psi-*1648*
King, David Litchard	Portland, Ore.	Hist. 10·173+30	Chi Psi-*1648*
A.B., Stanford, 1926			
King, Donald Eliot	Mayfield	Med. gr.	Mayfield-m
A.B., Stanford, 1923			
King, Douglas Low	Palo Alto	Law gr.	518 Webster-p
A.B., Stanford, 1926			
[24]King, Edward Dimmick	Stanford Univ.	Cl.Lit. gr.	27 Salvatierra
A.B., Stanford, 1924			

King, Ernest Charles A.B., Stanford, 1925, Engineer, 1926	Mountain View	E.E. gr.	Mountain View-mv
[4]King, Frank Richard A.B., Nevada, 1926	Reno, Nev.	Educ. gr.	4 Duane, RC-rc
King, Guy Russell	Palo Alto	S.Engr. 137+34	651 Gilman-p
King, Harold George	Dinuba	Law 173+50	Sigma Chi-*628*
King, Harold Nelson A.B., Stanford, 1926	Sacramento	Econ. 22·164+66	241 Hawthorne-p
King, Lionel Bayley	San Francisco	LD 45+4	119 Encina-*715*
King, Phil John	San Diego	C.E. 87·45+56	Theta Del. Chi-*1828*
[4]King, Raymond Irvin A.B., Stanford, 1923, A.M., 1924	Porterville	Chem. gr.	Mayfield-m
King, Robert W.	Lima, Ohio	LD 68+26	Delta Tau Delta-*1363*
[12]King, Thomas Scott A.B., Stanford, 1926	San Diego	Econ. 58·122+46	The.Del.Chi-*1828*
King, Vern E.	Pendleton, Ore.	LD 90+65	107 Sequoia-*2643*
King, Willard Parks A.B., Stanford, 1926	Martinsville, Ind.	Engl. 95·86+31	532 University-p
[23]Kingsbury, Mary Josephine A.B., Stanford, 1926	Mesa,Ariz.	Hist.93·88+80	Gam.Phi Beta-*1337*
Kinkead, Dorothy Elizabeth A.B., Stanford, 1926	Paola, Kans.	Econ. 187+57	Gam.Phi Beta-*1337*
Kinkel, Arthur R.	Hollywood	LD 91+73	304 Sequoia-*1129*
Kinnear, Arthur A.B., Stanford, 1926	San José	E.E. gr.	421 N. 4th, SJ-sj
[4]Kinney, Frederick Sephares B.S., South Dakota, 1905	Modesto	Educ. gr.	1 Lasuen
Kinnison, Court J. A.B., Stanford, 1926	Stockton	M.E. gr.	204 Sequoia-*1242*
Kinsman, Sallie	Yorba Linda	LD 45·45+57	277 Roble-*1917*
[13]Kirk,Howard Manning A.B., Stanford, 1924	Bozeman,Mont.	Geol. gr.	Union-*643*
Kirk, Leta A.B., Smith, 1925	Garnett, Kans.	Hist. gr.	Delta Delta Delta-*1325*
Kirkbride,Audrey Martha	San Francisco	Hist. 134+38	Del. Del. Del.-*1325*
Kirkpatrick, Leonard Henry	Fellows	LD 45+71	13 Encina
[28]Kirksey, Morris Marshall A.B., Stanford, 1922	Eagle Rock	Phyl. gr.	512 Encina-*1*
[12]Kirwan, Nicholas Pierce	Los Angeles	Econ. 151–18	Phi Gam.Delta-*1324*
Kissinger, J. Bryon	Los Angeles	Econ.10·123–2	Beta Theta Pi-*1335*
Kitasako, Kenzie	Palo Alto	LD 45+10	848 Ramona-p
[1]Kitow, Edwin K.	Tokyo, Japan	LD 148–19	Japanese Club-*598*
Klabau, Theodore	Newton, Kans.	LD 45+12	129 Encina-*582*
[124]Klauber, Allan Salz	San Diego	Econ. 124+74	213 Toyon-*1741*
Klauber, Eleanor Barrett A.B., Stanford, 1926	San Diego	S.Biol. 180+131	Del.Del.Del.-*1325*
Klein, Herbert Arthur	Los Angeles	LD 101+135	113 Toyon-*1851*
[4]Klein, Paul Eugene Ph.B., Chicago, 1920	San Diego	Educ. gr.	Buena Vista
Kleinsorge, Paul Lincoln	Sacramento	Econ. 139+226	239 Toyon-*1017*
Klette, Ada Ruth	Fresno	LD 46·45–5	344 Roble-*2304*
Kline, Frederick Thomas	Visalia	LD 46+53	203 Encina
Kline, Oliver	Burbank	LD 46+42	349 Encina-*1933*
Klocksen, Marian Leathers	Palo Alto	LD 50+63	206 Roble
[4]Kloepfer, Herman Jacob A.B., Ellsworth, 1920; A.M., Kentucky, 1925	Iowa Falls,Ia.	Educ. gr.	140 Toyon-*2236*

Klotz, Sergius	San Diego	LD 48+21	224 Encina
Klyver, Fred, Jr.	Fresno	S.Biol. 158+56	Menlo Park-mp
Knapp, William Fredrick A.B., Stanford, 1926	Bay City, Mich.	Law gr.	510 Encina-*1553*
Knight, Cecil Gordon	Palo Alto	LD sp. 60+23	970 University-p
[4]Knollin, Ernesto Ray A.B., Stanford, 1914	San José	Educ. gr.	1046 S. 7th, SJ-sj
[1]Knott, Robert F.	Los Angeles	LD sp. 29+6	1202 Fulton
Knowles, Dorothy E. A.B., Stanford, 1926	San Francisco	Engl. 90·92+118	170 Roble-*2584*
[4]Knowles, Violet Virginia A.B., Stanford, 1924, A.M., 1925	Los Angeles	Math. gr.	Madroño
Knox, Irene A.B., Redlands, 1922	Redlands	Med. gr.	2101B Webster, SF-sf
Knox, Wallace W. A.B., Stanford, 1926	Beaver, Utah	Law 181+153	Phi Kappa Psi-*1333*
[1]Kodani, Hideo	Monterey	LD 21–43	Japanese Club-*598*
[4]Koehler, Leota Mae	San José	LD ‡	162 S. 7th, SJ-sj
[1]Koepfli, Joseph Blake A.B., Stanford, 1924, A.M., 1925	Los Angeles	Chem. gr.	Al. Tau Omega-*1384*
Koontz, Ethel Dorothy A.B., Whittier, 1925	Fullerton	S.Educ. gr.	Madroño-*1443*
Kopp, Albert William	San Pedro	LD 28–16	348 Encina-*652*
[12]Korn, Kenneth Ernest	Oakland	M.E. 173+73	202 Sequoia
[5]Kornfeld, Moses Marion	Tulsa, Okla.	Geol.83·98+26	25 Salvatierra-*1622*
[12]Kotter, Guinivere Ellen B.S., Utah Agricultural, 1925; A.M., Stanford, 1926	Brigham City, U.	Educ. gr.	Manzanita-*1913*
[2]Kottinger, William Bradford	San José	Econ. 90·15+12	108 Naglee, SJ-sj
Kramar, Lowell G. A.B., Whittier, 1923	El Centro	Med. gr.	S.F. Hospital, SF-sf
Kramer, Rex Willard	Pilot Rock, Ore.	LD 90+63	224 Sequoia-*824*
Kranzthor, Gregory Michael A.B., Stanford, 1926	El Paso, Tex.	Law 48·132+67	207 Sequoia-*2154*
Krause, Robert Edwin	Long Beach	LD 41–16	407 Encina-*1753*
Krohn, Kenneth G.	Raymond	Econ. 134+6	Sigma Nu-*1385*
Kropp, Donald Joseph A.B., Stanford, 1926	San Francisco	Law 180+69	212 Sequoia-*903*
Krotozyner, Elsa J.	San Francisco	LD 45+52	309 Roble-*2734*
Krotser, George Raymond	Santa Rosa	E.E. 90·48–12	319 Sequoia
Krotz, Donald P. A.B., Stanford, 1926	Midwest, Wyo.	Chem. 183+41	106 Branner-*1095*
Krough, Edward Beverly	San Luis Obispo	LD 45+40	323 Encina
Krueger, Albert Paul A.B., Stanford, 1925	San Francisco	Med. gr.	3040 Franklin, SF-sf
Kruse, Arthur George	Kekaha, Kauai, T.H.	LD 50–12	360 Bryant-*1855*
[2]Kuhnel, Gustaf Lawrence	San Francisco	Econ. 155–29	764 Channing-p
Kulchar, George Victor A.B., Stanford, 1926	Oakland	Pre-Clin. 135·50+11	307 Un.-*2228*
[12]Kulmann, Charles Albert A.B., Stanford, 1926	Palo Alto	M.E. 189+137	324 Union-*1047*
[4]Kuntz, Olive A.B., California, 1916, A.M., 1918	Pomona	Hist. gr.	707 N. San Pedro, SJ-sj
[5]Kunzel, Fred A.B., Stanford, 1925	San Diego	Law gr.	Zeta Psi-*B*
[4]Kuo, Wei Pai A.B., Peking Government Teachers College, 1922	Kiangsi, China	Pol.S. gr.	Chinese Club-*1138*

[1]Kurihara, Masuo	San Francisco	LD 33–14	Japanese Club-*598*
Kurtz, Albert Kenneth A.B., Stanford, 1926	Menlo Park	Psych. 135·45+49	Menlo Park-mp
Kurtz, Edward Fulton A.B., Stanford, 1926	Pasadena	M.E. 43·149+191	Sig.Al.Eps.-*1305*
[1]Kwaan, Tim On	Shanghai, China	LD 65–9	Chinese Club-*1765*
[1]Kylberg, Brother Lars A.B., Stanford, 1926	Merced	Econ. 180+102	213 Union
[3]Lake, Lawrence Eldridge	Ross	LD 9–10	Encina
[23]Lake, Merrill Evans A.B., Stanford, 1926	Glendale	Geol. 183+33	Kappa Sigma-*1356*
Lamb, Henry Clarence A.B., Stanford, 1925	Fallbrook	S.Bus. gr.	553 Encina-*105*
[23]Lamb, James Maynard	Fallbrook	Econ. 83–17	553 Encina-*105*
Lambert, Wilma Lois	Bellingham, Wash.	LD 46+87	*376* Roble
[4]Landis, William Albert B.S., Chicago, 1914; M.S., Columbia, 1920	Altadena	Educ. gr.	306 Toyon
Lane, Harland Boyd	Alexis, Ill.	Law 45·92+29	640 Waverley-p
[23]Lane, Olga Josephine	Los Altos	LD 27+15	Los Altos-la
Lang, Richard E.	Seattle, Wash.	Law 137+95	218 Branner-*1863*
Langer, Bernard Franklin A.B., Stanford, 1926	San Francisco	M.E. 201+223	217 Branner-*1025*
[4]Langsdorf, Wilhelmina A.B., Occidental, 1923	Pasadena	S.Educ. gr.	335 Roble
Lani, Thelma Rose	Elko, Nev.	Law 156+119	224 Roble-*1435*
Lansburgh, Ruth Muzzy	San Francisco	LD 44+32	360 Roble-*899*
Lapiere, Richard Tracy A.B., Stanford, 1926	Laguna Beach	Econ. 10·170+198	200 Branner-*970*
[1]La Porte, Lynn Ronald	Ukiah	LD 5–16	31 Encina
[1]Lapp, Burton Leonard	Oakland	Law 183–10	334 Union
[4]La Prairie, Aurelie	Palo Alto	LD ‡	P.A. Mil. Acad.-p
[4]La Rochelle, Augustine A.B., Vermont, 1916; A.M., Columbia, 1921	Springfield,Mass.	Span. gr.	*336* Roble
Larsen, Arthur Christian	San Francisco	LD 62+7	Sigma Chi-*628*
[234]Larsen, Robina Henry	Palo Alto	LD 76+53	*769* Bryant-p
[23]Larson, Norman Grant	Berkeley	LD 77+52	Phi Kappa Psi-*1333*
[4]Larson, Ovena A.B., Utah, 1908	Stockton	Engl. gr.	Roble
Larter, Mortimer Treat	Berkeley	LD 90+99	105 Branner
[23]La Rue, Robert J.	Fresno	Econ. 128·26–3	Sig. Al. Eps.-*1305*
Lasater, Carol	Wichita, Kans.	LD 29·89+37	203 Roble-*1922*
Lash, Lawrence Aubrey	Rialto	LD 41+54	406 Encina-*1503*
[13]Laslett, Herbert R. A.B., Kansas, 1918; A.M., Stanford, 1923, Ph.D., 1926	Palo Alto	Psych. gr.	*373* Channing-p
[4]Lathrop, Howard Beecher B.S., California, 1902	San José	Educ. gr.	484 S. 15th, SJ-sj
La Tourrette, Clinton A.B., Stanford, 1925	Lakota, N. D.	Law gr.	302 Union-*822*
[34]de Laubenfels, Max Walker A.B., Oberlin, 1916	Pasadena	Zoöl. gr.	Pacific Grove-pg
[12]Laughlin, Homer, III	Los Angeles	LD 26–32	13 Salvatierra-*1635*
Lauritzen, John Barker	Hollister	LD 45+43	334 Encina-*2044*
[2]Lavington, Charles S. A.B., Colorado, 1921	Flagler, Colo.	Geol. gr.	332 Forest-p
Lawler, William Horace A.B., Southern California, 1923	Gardena	Med. gr.	2385 California, SF-sf
[5]Lawrence, Frances	San Francisco	Bact. 6·145+145	2090 Green, SF-sf

[4]Lawrence, George Louis A.B., Stanford, 1913, A.M., 1914	Stockton	Span. gr.	13 Union
[4]Lawrence, Robert Bruce	Palo Alto	LD	334 Union
Lawrence, William D.	Merced	Hist. 90·53+58	504 Encina
[4]Lawson, Edith A.B., Stanford, 1910	Sacramento	Engl. gr.	Roble
Lawson, Oliver C. A.B., Stanford, 1926	Palo Alto	Zoöl. 180+22	627 Homer-*1022*
Laykin, John Jacob A.B., California, 1924	Los Angeles	Law gr.	301 Union-*2772*
Lazarus, Lawrence Henry	Los Angeles	LD 96+148	113 Toyon-*1793*
Leach, Claude E.	Placentia	LD 90–20	513 Encina-*1855*
Lease, Helen	Santa Cruz	LD 98+141	100 Roble-*1230*
[23]Leavell, Mary Caroline	Phoenix, Ariz.	Span.90·31+23	21 Salvatierra-*2313*
[3]Leavitt, Newton A.	Los Angeles	LD 15+12	Encina
[5]Lederman, Edward D.	San Francisco	Law 21·117+31	*22* Mirada-*1162*
Lee, Allan Morris	San Mateo	Econ. 49·83+2	*29* Salvatierra-*1015*
Lee, Barbara	Oakland	LD 44+58	335 Roble
[12]Lee, James Fletcher	Hollywood	LD 44+21	1776 Waverley-*864*
Lee, John	Palo Alto	LD 44–9	359 Encina
[23]Lee, Margaret E. T.	Berkeley	LD 69·70+*23*	Gam. Phi Beta-*1337*
[12]Lee, Mary	Palo Alto	LD 29–18	505 Everett-p
[5]Leeds, Fred Barclay A.B., Stanford, 1924	Stanford Univ.	Law gr.	Kappa Alpha-*1356*
Leete, Stuart Félicien	Lodi	LD 47·76+9	Alpha Sig. Phi-*1357*
Lefler, C. Birk	Los Angeles	Econ. 90·48+35	532 Univ.-*1902*
Lefranc, Nelty Delmas	San José	Fr. 45·69+2	Alpha Phi
Lehr, John W.	Palo Alto	LD 39·45+15	PA-Rt. 1, Box 99, p
Lehrer, Bernard J. A.B., Stanford, 1926	Walla Walla, Wash.	Pol.S. 135·48+*22*	13 Union-*1701*
[5]Leicester, Henry Marshall	San Francisco	Chem. 131+111	257 Toyon-*2594*
Leistner, Hugo	Palo Alto	C.E. 155+31	*227* Toyon-*1737*
Leiter, John Arthur	Portland, Ore.	Law 136+116	*239* Branner-*2109*
Leiter, Ruth Gifford	Portland, Ore.	LD 39–7	*252* Roble-*2109*
[4]Leland, Raymond Barrett A.B., Iowa State Normal School, 1908	San José	Educ. gr.	432 S. 12th, SJ-sj
Lentz, Wallace Gilbert A.B., Stanford, 1926	Missoula, Mont.	E.E. 92·97+21	*212* Toyon-*525*
Lenzen, Theodore Louis	San José	E.E. 93·47+79	57 Lenzen, SJ-sj
[5]Leonard, Maurice E.	San Francisco	Pre-Med. 120+56	301 Toyon-*563*
Lerrigo, Frank Charles	Topeka, Kans.	LD 15·73+*77*	215 Toyon-*1009*
Letcher, Houston B.S., Minnesota, 1924, M.S., 1925	Palo Alto	Chem. gr.	147 Emerson-p
[5]Levi, John N.	Los Angeles	Econ. 6·144+48	131 Branner-*2003*
Levi, Leon Herman	Los Angeles	LD 55+31	131 Branner-*2003*
Levin, Walter B.	San Francisco	LD 46–10	219 Sequoia
[34]Levison, George Lewis	San Francisco	LD 46–24	*29* Salvatierra-*2402*
[5]Levit, William Harold	San Francisco	LD 93+95	108 Branner-*1582*
[4]Levitt, Jack	Los Angeles	LD ‡	1211 College
Levy, Adolph Haffenberg	Los Angeles	LD 94+37	239 Toyon-*1587*
Levy, Lionel Annis	Joplin, Mo.	LD 95+64	145 Toyon-*1744*
Lewis, Douglas Batchelder	Menlo Park	LD 45+4	359 Encina-*1612*
Lewis, Frank MacBoyle	Portland, Ore.	LD 91+16	Beta Theta Pi-*1335*
[4]Lewis, Hazel M.	Bellingham, Wash.	LD ‡ 16+15	325 Roble

Lewis, Helen Marion A.B., Stanford, 1926	Honolulu, T.H.	Engl. 24·156+151	282 Roble-*535*
[12]Lewis, Kenneth Ellsworth	Dinuba	LD 73–4	202 Branner
Lewis, Lawrence Delbert	Portland, Ore.	LD 33–2	328 Encina-*1275*
[4]Lewis, Marion Sarah A.B., Fresno State Teachers College, 1926	Fresno	Educ. gr.	10 Salvatierra
Lewis, Miriam Lee	Evanston, Ill.	LD 46+24	306 Roble-*1937*
Lewis, Percy Williams A.B., Stanford, 1926	La Grange, Ill.	Chem. 7·181+47	Al.Kap.Lam.-*658*
Lewis, Rhoda Valentine	Honolulu, T.H.	Law 139+261	284 Roble-*535*
Lewis, Richard Campbell A.B., Stanford, 1925, Engineer, 1926	Mountain View	E.E. gr.	Mountain View-mv
Lewis, Richard Field	Piedmont	LD 41+43	223 Encina
Lewis, Robert Ernest A.B., Stanford, 1926	Stanford Univ.	Law gr.	355 Union-*636*
Lewis, Sidney William	Burlingame	Soc.S.-Jn.109+11	Th.Del.Chi-*1828*
[12]Liang, Chao Wei A.B., Stanford, 1926	Canton, China	Pol.S. 90·92+11	Chinese Club-*6*
[12]Lifchetz, Martin A.B., California, 1924	Los Angeles	Bact. gr.	105 Emerson-p
Light, Lee Roy B.S., Kansas State Agricultural, 1915, M.S., 1916	Dillon, Mont.	Educ. gr.	Menlo Park-mp
[4]Lighton, Edward W. A.B., New Mexico, 1922	Albuquerque, N.M.	Educ. gr.	116 Toyon-*2376*
Liliencrantz, Eric G. A.B., Stanford, 1925	Oakland	Med. gr.	491 Fairbanks, O-o
Lillie, Raymond Fell	Oakland	LD 44+30	207 Encina-*2303*
Lilly, Robert Tompkins	Balboa	LD 85–4	Sigma Nu-*1385*
Lindblom, Evald Vincent	San José	Econ. 150+55	231 Branner
Linderholm, Evelyn Bernice	Palo Alto	LD 48+81	Stanford Park-p
Lindsay, Robert W.	Stanford Univ.	LD 93+56	Theta Xi-*1355*
Lindsay, Thomas Irwin	San José	LD 45+57	350 Encina
Lindsey, Melzar Mosse	Santa Monica	Law 46·88+71	Phi Kap. Sig.-*1306*
Linneman, Lawrence M. A.B., Stanford, 1925	Watsonville	Law gr.	543 Encina-*605*
[4]Linstad, Lina Louise B.S., Minnesota, 1924	Forsyth, Mont.	S.Educ. gr.	Roble
Linton, Donald Crouch	Modesto	Min. 90·43+17	402 Sequoia
Lippincott, Gardner P. A.B., Stanford, 1926	Los Angeles	Econ. 180+31	Beta Theta Pi-*1335*
Lipsitch, Sidney Lawrence	Los Angeles	LD 44–1	201 Encina-*1581*
[4]Lisberger, Carolyn A. A.B., Goucher, 1905	San Francisco	Psych. gr.	9 Cabrillo
Lissman, Marcel Alfred A.B., Stanford, 1925, Engineer, 1926	Sacramento	E.E. gr.	103 Sequoia
[5]Lissner, Jay Greenhood	Los Angeles	Econ. 82+26	226 Toyon-*1812*
[4]Littel, Charles Lester A.B., Nebraska, 1912	Centralia, Wash.	Educ. gr.	1149 Middlefield-p
[4]Littel, Estella Marie	Centralia, Wash.	LD ‡	1149 Middlefield-p
Little, Berneice Marjorie	Eureka	Span. 48·89+126	212 Roble-*879*
[22]Little, Malcolm C.	Nogales, Ariz.	Law 105·85+29	Delta Chi-*1304*
[3]Littlefield, Warren Wendell	Stockton	LD 42·13+3	127 Encina
[34]Littler, Robert M. C. A.B., Stanford, 1925	Salem, Ore.	Pol.S. gr.	202 Union-*2666*
[4]Lively, Caroline Stephens	Tallahassee, Fla.	Engl. ‡	310 Roble-*2765*
[4]Lively, Emily Grizelle	Tallahassee, Fla.	LD ‡	Roble-*2765*

[12]Lloyd, Edward Warren A.B., Stanford, 1926	Los Angeles	Law 180+245	Alpha Delta Phi-*JJ*
Lloyd, Kenneth Paul	San Bernardino	LD 43+23	Community House
Lloyd, Paul Eugene	Los Angeles	LD 50+38	330 Encina-*508*
[4]Lo, Su Shu	Peking, China	LD ‡	Roble-*2524*
van Löben Sels, Helen A. E.	Vorden	LD 44+33	314 Roble-*526*
[5]Lockett, Charles C.	Alhambra	Fr. 166+58	Alpha Sig. Phi-*1357*
[23]Lockridge, Hartnell	Monterey	LD 10–6	451 Encina-*941*
Lockton, Eugene Andrew	Windsor	M.E. 196+5	Al. Kap. Lambda-*658*
Loe, Harris D. A.B., Stanford, 1926	Denver, Colo.	Pre-Clin. 225+69	543 Encina-*605*
[5]Loeb, Carolyn Fromberg A.B., Mills, 1923, A.M., 1924	San Francisco	Law gr.	Madroño-*696*
Lofland, Evelyn A.B., Stanford, 1926	Whittier	Psych. 8·175+130	216 Roble-*1048*
[5]Londahl, Cyrus A. A.B., Stanford, 1926	San Francisco	S.Educ. gr.	2160 Waverley-p
[4]Long, George Irving, Jr.	San Francisco	LD	118 Toyon-*2455*
[4]Long, Harold Boyd A.B., Stanford, 1925	Norcatur, Kans.	Hist. gr.	321 Kipling
[5]Long, John Townsend	Los Angeles	LD 61+46	Phi Kappa Psi-*1333*
[23]Long, Merrill Edward	Oakland	Econ. 103–10	Phi Gam. Del.-*1324*
Long, Richard Edward	Ashland, Ohio	LD 22·40+5	435 Encina
Longeway, George A.	Great Falls, Mont.	LD 45+75	346 Encina-*2033*
Loofbourow, Robert Lincoln	Berkeley	LD 52+51	307 Encina-*2158*
Lorigan, Lorraine Marie	San José	Span. 90·44+37	264 Roble-*1636*
Lorraine, Laura May A.B., Stanford, 1925, A.M., 1926	Palo Alto	Span. gr.	460 Homer-p
[4]Loudon, Grace Isabelle	Los Angeles	Educ. ‡	10 Salvatierra-*1332*
Love, Mary Craven A.B., Stanford, 1925, A.M., 1926	Riverside	Math. gr.	10 Madroño-*1104*
Lovekin, Charlotte	Riverside	Engl. 120+125	Kap.Al.Theta-*1336*
[5]Lovelace, Manuel Burr	Dinuba	Min. 178+29	Zeta Psi-*B*
Low, John Stewart	Berkeley	LD 84+15	105 Branner
[4]Lowe, Pardee	Oakland	LD	4 Salvatierra-*2347*
Lowry, Richard Simms	Oakland	LD 90+94	Zeta Psi-*B*
Lozano, Marion Thais	Reno, Nev.	LD 89+54	Delta Gamma-*1366*
[12]Luce, Erma A.B., Stanford, 1926	San Francisco	Hist.59·121+30	Kap.Al.Theta-*1336*
Luckhardt, Charles Edward A.B., Stanford, 1925	San José	Law gr.	298 S. 12th, SJ-sj
Lucy, Frank Allen	Palo Alto	LD 46–3	204 Encina-*2774*
Ludeke, Frederic Sebastian A.B., Stanford, 1924	Shandon	Law gr.	Palo Alto-*732*
[12]Ludwig, Dorothy Louise	Los Altos	LD 30+0	Mt.View-Bx371,Rt.2,mv
Lukens, Christine Lucile A.B., Sterling, 1923; A.M., Stanford, 1926	Beloit, Kans.	Cl.Lit. gr.	Madroño
Lundborg, Louis Billings	Billings, Mont.	Law 115+195	358 Encina-*628*
Lundquist, Dell Theodore A.B., Stanford, 1922	Middletown	Med. gr.	1226 Masonic, SF-sf
Lundquist, Ida Marie	Middletown	LD 9·87+123	101 Roble-*1237*
Lundy, Robert Floyd	San José	LD 89+70	160 Yosemite, SJ-sj
[5]Lunt, Kathryn Chase	Los Altos	Pol. S. 97–10	Los Altos-la
Lusignan, Harry Richard A.B., Stanford, 1925	Stockton	Med. gr.	2211 California, SF-sf
Luther, Chester Francis	Auburn	LD 98+132	218 Sequoia-*1677*

Luttrell, Emmet Wright	Yreka	LD 45+35	16 Encina
Lyle, Leland Ellsworth	San José	M.E. 93·40–6	83 Curtiss, SJ-sj
Lyne, Walter C., Jr.	Salt Lake City, Utah	Min. 182+38	229 Union-*538*
A.B., Stanford, 1926			
[1]Lyon, Barbara	Burlingame	Fr. 117+95	Sigma Kappa-*1327*
[6]Lyon, John Herschel	Montrose, Colo.	Law 135+91	Sig. Alpha Eps.-*1305*
Lyon, Joyce Cowling	Burlingame	LD 30+35	241 Roble
[12]Lyon, Lucile	Burlingame	Ed.G.A. 107+173	Sigma Kap.-*1327*
Lysle, Joseph Archibald	WestLosAngeles	LD 92+20	25 Salvatierra-*1041*
Lytel, Harvey Maxwell	Stanford Univ.	LD sp. 133+14	Delta Chi-*1304*
[1]Maas, Walter Leo, Jr.	Santa Monica	Law 75·70–1	309 Union-*1106*
Macabee, Lloyd C.	Hayward	LD 144+13	142 Toyon-*1239*
[234]McAllister, Charles H.	San Francisco	M.E. 128+1	Kappa Sigma-*1326*
McAllister, Sumner H.	Salt Lake City, U.	LD 45+30	122 Encina-*86*
McAnear, Beverly	Sacramento	LD 44+56	350 Encina-*2641*
[234]McArthur, Donald	McHenry, Miss.	Geol. 135·27+8	Union
McBride, Rexford William	SanFrancisco	Med. gr.	2418 Washington, SF-sf
A.B., Stanford, 1923			
McBurney, Raymond Dean	Los Angeles	Med. gr.	2295 California, SF-sf
A.B., Stanford, 1924			
McCabe, Jane Graham	Santa Barbara	LD 47+16	225 Roble
[23]McCahan, Kathryn C.	Los Angeles	Hist. 181+94	Alpha Phi-*1387*
A.B., Stanford, 1926			
McCall, Ralph Comins	Pasadena	LD 91+83	260 Toyon-*1647*
[4]McCallum, Bertha Rebecca	Palo Alto	Engl. gr.	183 Everett-p
A.B., Whitworth, 1911			
McCampbell, Maurice Houser	Yuba City	LD 47+3	250 Encina-*2603*
McCandless, John Bole	Los Angeles	LD 43–8	108 Encina-*2551*
McCardle, Marion	Fresno	LD 89+13	Kap. Alpha Theta-*1336*
[1]McCargar, Donald	Portland, Ore.	LD 39–12	5 Sequoia-*2054*
McCartney, James Stephen	Alturas	Law 135+52	241 Toyon-*611*
[23]McCarty, Alexia Helen	San Francisco	LD 30+25	346 Roble-*1586*
McCarty, Donald Walker	San Francisco	Econ. 138+117	114 Toyon-*1586*
McCarty, Honora	San Francisco	Med. gr.	1250 Clay, SF-sf
A.B., Stanford, 1923			
MacCasland, Stanford	Los Angeles	C.E. 147+33	114 Branner-*994*
McClain, Daniel A.	Mt. Vernon, Wash.	Educ. gr.	228 Union-*1107*
A.B., State College of Washington, 1923; A.M., Stanford, 1926			
[234]McClanahan,Chaston Nelson	Hayti,Mo.	Hist. 106·56+6	506 Encina-*2217*
McClatchie, Winifred Louisa	Palo Alto	LD 48+86	505 Lowell-p
McCleave, Thomas Crooke, Jr.	Berkeley	Pre-Clin. 186+90	Delta Upsilon
A.B., Stanford, 1926			
McClellan, Charles E.	Logan, Utah	Educ. gr.	334 Grant, M-*1404*
A.B., Brigham Young, 1914; A.M., Utah Agricultural, 1923			
[34]McClellan, Herbert N.	Clarkdale, Ariz.	Educ. gr.	Menlo Heights
B.S., Ottawa, 1914			
McClellan, Thomas Lane	Glendale	Econ. 134+14	Sigma Chi-*628*
[5]McClelland, John	Cincinnati, Ohio	Engl. gr.	Menlo Park-mp
A.B., Stanford, 1924, A.M., 1925			
McClintock, Leonard Edgar	Taft	C.E. 40·103+103	228 Branner-*93*
McClinton, Ralph Edwin	Burlingame	S.Bus. gr.	204 Union-*2751*
A.B., Stanford, 1925			
[5]McClure, Roy Armand	San Bernardino	Law 129+117	117 Toyon-*2591*
MacClyment, David Burroughs	Riverside	LD 49·55+7	Phi Kap. Sig.-*1306*
[3]MacColl, Douglass R.	San Francisco	Med. gr.	2369 Union, SF-sf
B.S., California, 1914			

[4]McCollister, Earl H. Menlo Park Span. gr. Menlo School, MP-mp
B.L., California, 1903
McColloch, Leland Jordan Los Angeles Chem. 115+47 Phi Kap. Sig.-*1306*
[23]McCone, Howard T. Haddonfield, N.J. Engl. 87·8–5 1335 Cowper-p
[12]McCook, Rupert Francis Long Beach Econ. 180+121 333 Kipling-p
A.B., Stanford, 1926
[4]McCord, Glenn Alvin Cherokee, Okla. Hist. gr. 243 Toyon
A.B., Phillips, 1924
[4]McCorkindale, Hugh N. Vancouver, B.C. Educ. gr. 159 Emerson-p
A.B., Toronto, 1913
[5]McCormack, James Edward Pasadena Psych.110+25 PhiKap.Sigma-*1306*
[5]McCormick, Lewis Montford Palo Alto Anat. gr. 164 Lowell-p
A.B., Stanford, 1925
[4]McCoy, Dohrman Newport SanFrancisco LD 139 Toyon
McCray, Alan Archer Hollywood Chem. 116+33 DeltaKap.Eps.-*OO*
[34]McCray, Maurice C. Los Angeles Econ.102·9+0 Delta Kap. Eps.-*OO*
[13]McCreery, John Harold Coronado Beach LD 68–6 Alpha Tau Omega-*1384*
McCue, Claude Leo Colusa LD 39–6 444 Encina-*1834*
[1]McCue, Gerald Everett Colusa Chem. 107–5 975 Hamilton-*1834*
McCuen, Theron Lewis Ione LD 91–4 109 Sequoia-*1424*
McCullough, George Burns Reno, Nev. LD 133+108 221 Toyon-*706*
[5]McCullough, Ronald V. Springdale, Alta. Chem. 90·86+41 134 Toyon-*2393*
McCurdy, Lee Hicklin Banning LD 42+8 400 Encina-*1283*
[5]McCutchan, MurielFrances Portland, Ore. Engl. 65·99+84 254 Roble-*1038*
McDermont, Gilbert Roy Fullerton Econ. 189+54 Sig.Alpha Eps.-*1305*
A.B., Stanford, 1926
McDermott, John Carson Los Angeles Pre-Med.138+188 211Branner-*925*
McDermott, WilliamClarence LosAngeles LD 45+23 435 Encina-*925*
[4]McDevitt, Kathleen Marie San Francisco Engl. ‡ 2757 Divisadero, SF-sf
[1]McDill, James Atwell San José Psych. gr. Y.M.C.A., SJ-sj
A.B., Oberlin, 1916
McDonnell, Robert H. Kansas City, Mo. C.E. 82·72+13 Al.Tau Ome.-*1384*
[23]McDougall, James W. San Francisco LD 91+2 500 Encina-*1*
McDougall, Kenneth Raymond Palo Alto Law 143+221 1290 University-p
McDowell, Edgar Allen Stanford Univ. Econ. 9·171+301 Los Altos-*131*
A.B., Stanford, 1926
McDowell, Margaret Deering Ashland, O. Chem.3·178+248 Kp.Kp.Gm.-*1354*
A.B., Stanford, 1926
McDowell, W. Clifford Alameda LD 77–11 Phi Sigma Kappa-*538*
[12]McDuffie, Marshall Scott Wright LD 29–21 121 Encina-*136*
Mace, John Lyndon San Francisco Law gr. Zeta Psi-*B*
A.B., Stanford, 1924, J.D., 1926
[4]Mace, Marie Campbell LD ‡ Campbell-Box 412, c
[4]de Macedo, William Los Angeles Educ. gr. 1 Lasuen
B.S., Oregon Agricultural, 1923; A.M., Southern California, 1926
[3]McElhaney, Homer San Francisco LD 12–10 402 Encina
[4]McElroy, Edith Margaret Palo Alto LD sp. 377 Everett-p
McElroy, Louis Marion Jamestown, N.D. Econ. 120·44–26 Sigma Chi-*628*
McElvenny, Ralph Talbot Denver, Colo. LD 92+41 237 Branner
[1]McElvenny, Robert T. Denver, Colo. LD 53+3 237 Branner
McFadden, Ysidora Lucana Placentia LD 37–1 259 Roble-*2824*
Macferran, Mabel Palo Alto E.E. gr. 141 Cowper-p
B.S., Massachusetts Institute of Technology, 1925; Engineer, Stanford, 1926
[5]McGann, Basil Louis Los Angeles Law 154+51 Phi Kap. Sigma-*1306*
[1]McGee, Annele Helene Piedmont LD 4–15 Roble

[4]McGeorge, Edith — Eureka — Educ. gr. — Kingscote
A.B., Stanford, 1907
[234]McGettigan, Carroll C. — San Francisco — Geol.149+21 — Delta Tau Delta-*1363*
[4]McGinitie, George Eber — Fresno — Zoöl. gr. — Pacific Grove-pg
A.B., Fresno State Teachers College, 1925
McGinn, Vincent Joseph — Tonopah, Nev. — LD 72–3 — 243 Kipling-p
[12]McGonigle, Lawrence E. — Los Angeles — LD 59+76 — Phi Kappa Psi-*1333*
McGough, Ethel — San Bernardino — LD 123+118 — 177 Roble-*2794*
McGuinness, John Edward — San Francisco — Med. gr. — 126 6th Ave., SF-sf
A.B., Stanford, 1924
[4]McGuire, Jack P. — Long Beach — LD ‡ — Delta Upsilon-*1353*
McGuire, Thomas Grant — Santa Rosa — LD 88+12 — Phi Delta Theta-*1334*
[5]McHenry, Merl Langdon — Oakland — Law gr. — 1226 College-*B*
A.B., Stanford, 1925
McHose, John Cresco — Ashland, Ohio — Law gr. — Phi Delta Theta-*1334*
A.B., Stanford, 1925
[4]McHugh, Robert A. — Baraboo, Wis. — LD ‡ — Menlo School, MP-mp
[4]McInerney, Leonora C. — San Francisco — Educ. gr. — 371 15th Ave., SF-sf
A.B., San Francisco State Teachers College, 1925
McInnes, Chester M. — Hollywood — LD 89+56 — 228 Toyon-*1351*
McInnes, Robert Alexander — Oxnard — Econ.129+26 — Sig. Alpha Eps.-*1305*
[5]McInnes, Thomas F. — Oxnard — Law 105+11 — Sig. Alpha Eps.-*1305*
[4]McInnis, William Carr — Palo Alto — S.Educ. gr. — 1168 Greenwood-p
A.B., Stanford, 1900
[1]Macintosh, Walter Rader — Santa Monica — LD 10–28 — Sigma Nu-*1385*
Mack, Augustus Frederick, Jr. — San Diego — Law 90·96+92 — 307 Sequoia-*1437*
A.B., Stanford, 1926
Mack, Charles Edward — Pasadena — Law 133+44 — Phi Kappa Psi-*1333*
[4]Mack, Duane Emory — Minden, Nev. — LD — 325 Union
Mack, Henry Clayton — Bakersfield — Law gr. — Delta Chi-*2602*
A.B., Stanford, 1924, J.D., 1926
Mack, H. Pitts — San Diego — Hist. 90·43+67 — 307 Sequoia-*1437*
[5]Mack, John Erick — Pasadena — Law 174+75 — Phi Kappa Psi-*1333*
Mack, Marion — Bakersfield — LD 45·41+29 — 305 Roble-*2602*
MacKamey, Rhodus — Palo Alto — M.E. 135+22 — 324 Emerson-p
[5]McKay, Donald Cope — Palo Alto — Hist. gr. — 421 Cowper-p
A.B., Stanford, 1926
McKay, Theodore Sherwood — Monterey — LD 42+37 — 127 Encina-*691*
McKay, Warren S. — Fresno — E.E. gr. — 105 Emerson-p
A.B., Stanford, 1926
[1]McKechnie, Frank — Berkeley — Span. 183+211 — 511 Encina
A.B., Stanford, 1926
McKenna, Seth Louis — Lemoore — LD 108+16 — 313 Sequoia-*1113*
McKenney, Philip Wash — Oakland — Med. gr. — *2727* 55th Ave., O-o
A.B., Stanford, 1924
[4]McKenzie, Annie — Lodi — LD ‡ 24+11 — Pacific Grove-pg
McKeown, David Theodore — Gresham,Ore. — LD 45–15 — 21 Encina-*1844*
McKey, Richard Pickard — Los Angeles — LD 47+6 — 401 Encina
[4]McKibbin, Mabel Ferris — Portland, Ore. — Ed.G.A. gr. — Roble-*1387*
A.B., Stanford, 1925
McKim, J. Burton — San Diego — E.E. 90·55+75 — 203 Sequoia-*2147*
McKinnon,AlexanderMichael — LosAngeles — LD 49–7 — 215 Encina-*2522*
[3]McKinstry, Malcolm Linn — Palo Alto — Pre-Med. gr. — 362 Channing-p
Ph.G., State College of Washington, 1918; D.M.D., North Pacific College of Oregon, 1925
Mackintosh,WilliamErwell — RedwoodCity — LD 40–8 — 449 Encina

McKnight, Eugene C. — San Diego — LD 48+66 — 301 Encina-*2014*
McLaren, Matie Jane — San Francisco — LD 42+10 — 158 Roble
[12]McLean, Charles A., Jr. — Portland, Ore. — LD 68–36 — Chi Psi-*1648*
McLean, Corbett — Portland, Ore. — E.E. 139+108 — *327* Emerson-p
[4]McLean, Sara Jane — Fresno — Educ. 85·16+12 — Roble
McLeish, Alexander — Santa Clara — Econ.90·91+36 — 1707 Liberty,SC-sc
A.B., Stanford, 1926
McLeod, Gladys Marian — San Francisco — Hist. 160+77 — Delta Gamma-*1366*
[234]McLeod, Norman John — Palo Alto — Hist. gr. — 367 Everett-p
Ed.B., California, Southern Branch, 1924
[12]McMahon, Edward John — Taft — LD 26–36 — 439 Emerson-*1080*
McManigal, Holden Edgar — Pasadena — LD 89–24 — Kappa Alpha-*1356*
[1]McManis, John T. — College Terrace — Hist. gr. — 449 Wellesley-*893*
A.B., Stanford, 1897, A.M., 1902
[12]McMillin, Harvey Clay — Palo Alto — Zoöl. gr. — *232* Emerson-*1361*
B.S., Washington, 1923; A.M., Stanford, 1926
McMurray,DonaldIrvine — Aberdeen,Wash. — LD 96+64 — 526 Encina-*1184*
[1]McNamara, Arthur A. — Bakersfield — Pre-Clin. 135·0+0 — 347 Alma-p
McNamee, Frank — Los Angeles — Law 136+79 — 25 Salvatierra-*2563*
[124]McNary, Thomas Benton — Los Angeles — Law 111·84+0 — 643 High-p
[5]McNaught, Robert C. — San Francisco — Pre-Med. 145+191 — 242 Toyon
McNaught, William K. — San Francisco — Econ. 106+37 — 301 Branner
[4]McNelly, Frances Evelyn — Miami, Ariz. — Engl. ‡ — Palm Court Apts.-p
McOmie, Margaret Edith — Los Alamitos — Hist. 138+98 — 249 Roble-*906*
McOmie, Rulon Wells — Los Alamitos — Chem. 90·96+91 — 211 Sequoia-*906*
A.B., Stanford, 1926
Macon, George Edward — Los Angeles — Phil. 91·45+33 — 532 Univ.-*1526*
[4]McPherson, John Clarke — Portland, Ore. — LD — 207 Union-*B*
McQuistion, Lois Lovina — Los Angeles — Soc.S. 49·132+127 — Alpha Phi-1387
A.B., Stanford, 1926
MacRae, Harwood Loomis — Los Angeles — LD 39–5 — 409 Encina-*2055*
[23]MacRae, Richard Loomis — Los Angeles — Econ. 180+30 — Delta Upsilon-*1353*
A.B., Stanford, 1926
[2]McVey, Allyn — Coronado — Econ. 90·72–13 — 618 Kingsley-p
Macy, Frederick O. — Los Angeles — LD 96+101 — 418 Cowper-p
Madden, Sidney Clarence — Fresno — LD 45+51 — 115 Encina-*2253*
[4]Madigan, Leo Alphonsus — Santa Clara — Span. gr. — Santa Clara U., SC-sc
A.B., Gonzaga, 1921, A.M., 1922
[3]Madison,Ryland Randolph — SanFrancisco — LD 15+10 — *637* Powell, SF-sf
Magee, Grace Miriam — Cairo, Ill. — Hist. gr. — 615 University-p
A.B., Smith, 1925; A.M., Stanford, 1926
Maguire, William Francis — San Francisco — LD 56–9 — Phi Kappa Psi-*1333*
Maharam, Milton M. — Los Angeles — LD 47+25 — 405 Encina-*102*
Mahoney, Paul — Boston, Mass. — LD 45+26 — 402 Encina-*722*
Mahoney, Rolland Florence — Hollywood — LD 35–7 — 31 Encina
Mainwaring, George Frank — Petaluma — LD 40+5 — 208 Encina-*2274*
Malinowski, Czeslaw — Detroit, Mich. — M.E. gr. — 520 Encina-*940*
Graduate, Government School of Machine Construction, Warsaw, Poland
[4]Mallet, Dorothy — Palo Alto — Educ. ‡ — *772* Palo Alto Ave.-p
[12]Malloway, Robert William — Sites — LD ‡ 44–28 — 511 Encina-*1795*
Malmquist, Lincoln R. C. — Concord — LD 42+31 — 318 Encina-*2176*
[34]Malnick, Irving Lawrence — Oakland — LD 56–12 — *28* Branner-*954*
Maltby, Harry Lee — Long Beach — LD 91+4 — Delta Upsilon-*1353*
[5]Manahan, Robert Fulton — Stanford Univ. — Law gr. — 22 Kingscote-*1147*
B.S., Massachusetts Institute of Technology, 1903; A.B., Harvard, 1912

Manchee, Marie	Santa Barbara	Span. 5·146+178	146 Roble-*621*
Manchester, Francis Byers A.B., Stanford, 1926	So. Pasadena	Econ. 70·117+32	Delta Ups.-*1353*
Mancini, John Adolph A.B., Stanford, 1926	Hayward	C.E. 191+283	216 Toyon-*1177*
[234]Mandell, Louis Israel	Los Angeles	LD 33+60	301 Encina-*2814*
Mandell, Maurice Herman	Los Angeles	LD 43·46+60	301 Encina-*2814*
[12]Mann, Arthur Newton	Anaheim	Econ. 121+14	Kappa Sigma-*1326*
Mann, John A.B., Stanford, 1926	Kankakee, Ill.	Econ. 182+64	Theta Del. Chi-*1828*
[5]Mannoccir, F. David, II A.B., Stanford, 1924	Natchez, Miss.	Law gr.	Beta Theta Pi-*1335*
Mannon, James B. A.B., Stanford, 1926	Ukiah	Hist. 194+289	245 Toyon-*1105*
Mansfeldt, John H. A.B., Stanford, 1923	San Francisco	Med. gr.	207 Cherry, SF-sf
Mansfield, James Verne	Palo Alto	LD 93+90	1102 Ramona-p
[4]Mansfield, Kenneth Zoellin	King City	LD	111 Toyon-*2305*
[5]Manspeaker, Almon F.	Los Angeles	Cl.Lit. 108+164	181 Lytton-*1861*
[1]Mapson, Donald Leslie	Los Angeles	LD 61+53	804 Bryant-p
Marble, Miriam	South Pasadena	Hist.46·92+94	Kap.Kap.Gam.-*1354*
[234]Marburg, Helen A.B., London, 1914	Stanford Univ.	Fr. gr.	Sigma Kappa-*1327*
[1]Mariette, Edgar Lionel	Palo Alto	LD 87–14	Alpha Tau Omega-*1384*
Marker, William Maxwell A.B., Stanford, 1917	Palo Alto	Chem. gr.	355 Cowper-p
Marks, Eddie Harlan	Stanford Univ.	LD 39+44	328 Encina-*586*
[5]Marks, Graham Wallace A.B., Stanford, 1926	Spokane, Wash.	Chem. gr.	305 Branner-*1531*
Marlow, Arthur Ashley A.B., Stanford, 1925	San Diego	Med. gr.	2900 Pacific, SF-sf
[4]Marple, Walter G. B.S., Carnegie Institute of Technology, 1922	Los Angeles	Educ. gr.	643 High-p
Marquis, Donald George	Bellingham, Wn.	Psych. 53·49+92	222 Encina
Marrack, Harriet Febiger	Palo Alto	LD 35+9	312 Roble
[234]Marsh, Loveridge Warren	Brawley	Econ. 162+11	122 Toyon-*892*
Marsh, Melbourne Derge	Hollywood	LD 44+16	251 Encina-*2752*
[4]Marsh, Willa May A.B., Fresno State Teachers College, 1926	Dinuba	Educ. gr.	59 S. 5th, SJ-sj
[2]Marshall, De Witt	Modesto	Pol.S. 11+5	Stanford Univ.
Marshall, Donald Carlyon A.B., Stanford, 1925	Sunnyvale	Med. gr.	2209 Buchanan, SF-sf
Martin, Ambrose Johnston A.B., Stanford, 1926	Palo Alto	Econ. 133·49+30	305 Lytton-p
Martin, Dorothy Frances A.B., Utah, 1922	SaltLakeCity,U.	Engl. gr.	Manzanita
[5]Martin, Francis Whitney	Palo Alto	LD 44+23	525 Lincoln-p
[5]Martin, Harry A., Jr.	Calwa City	Econ. 90·32–1	202 Sequoia
Martin, Kenneth George A.B., Stanford, 1926	Watsonville	Econ. 30·152+33	216 Toyon-*1177*
[4]Martin, Lydia Baylor	Mercury, Texas	Span. gr.	10 Salvatierra
[4]Martin, Ralph Henry	San José	Span.58·24+2	SanJose-Bx64,R2,sj
[1]Martin, Vincent Lyman	Los Angeles	Hist. 151–11	Phi Gam. Delta-*1324*
Martins, Samuel M. A.B., Stanford, 1925	San Bernardino	Med. gr.	2402 California, SF-sf

[12]Marvin, Stanley — Palo Alto — M.E. 181+142 — 1758 Second-*861*
A.B., Stanford, 1926
Marx, Barbara — Palo Alto — Hist. 137+138 — 356 Lincoln-*1336*
Marx, Edward Howard — Hollywood — LD 45+34 — 308 Encina
[4]Marx, Melville — San Francisco — LD — 250 Toyon
Mason, Beverley Francis — Dunsmuir — LD 28–18 — 405 Encina-*1481*
Mason, Lloyd A. — Riverside — LD93+113 — 702E.SantaClara,SJ-sj
Mason, Marshall Irwin — Palo Alto — Med. gr. — 2211 California, SF-sf
A.B., Stanford, 1925
*[3]Mason, Paul — Sacramento — Pol.S. gr. — Sacramento-s
A.B., Brigham Young, 1920; A.M., Stanford, 1923
Mason, Rowena Steirly — San Francisco — Soc.S.-Jn.23·158+91 — K.Al.T.-*1336*
A.B., Stanford, 1926
Mason, Roy Waldo — Birmingham, Ala. — LD 78+8 — Alpha Sigma Phi-*1357*
Mason, Ruth — Hollywood — LD 43+41 — 315 Roble-*716*
Mason, William Andrews — Hollywood — LD 45·86+37 — 243 Toyon-*716*
Masson, Edmond Eric — Palo Alto — LD 45+35 — 947 Waverley-p
Mathes, Mary E. — San Francisco — Med. gr. — 2202 California, SF-sf
A.B., Oregon, 1920
[4]Mathews, William Calvin — Santa Barbara — Educ. gr. — 418 Florence-p
A.B., Santa Barbara State Teachers College, 1926
Mathewson, Carleton — Fresno — Med. gr. — 2215 Buchanan, SF-sf
A.B., Stanford, 1923
Mathewson, James Donald — San José — Econ. 71·52–8 — 112 Encina-*1855*
Matsui, Takejiro — San Francisco — Zoöl. 90·46+44 — Japanese Club-*598*
[12]Matta, Amar Dass — Afzalahad, India — S.Biol. 37·129+8 — P.A. Ave.-*1916*
Matthay, Ferdinand Lowell — Los Angeles — Law 3·149+71 — 309 Union-*1*
Mattson, Edith Antoinette — San Bruno — LD 96+129 — Pacific Grove-pg
Mauser, George Kern — Hollywood — LD 42+29 — 210 Sequoia-*85*
Maxon, Yale Candee — Campbell — LD 93+73 — 218 Sequoia-*1874*
[4]Maxwell, James G. — Monrovia — LD — 309 Union-*2496*
[3]May, Julius — Los Angeles — LD 14–9 — 245 Encina
Mayer, Barbara Anne — San Francisco — Psych. 124+207 — 381 Roble-*1463*
Maynard, Fred Alexander — San José — M.E. ‡ 39–30 — 1291 Wash., SJ-sj
Maytham, Frank, Jr. — Stanford Univ. — LD 45·92+84 — Menlo Heights-*1224*
Mead, Amos Ross — Turlock — LD 40+1 — 445 Encina
Mead, James Wilkinson — San Rafael — LD 45+17 — 326 Encina-*605*
Meadowcroft, Allan James — Modesto — C.E. 181+290· — 305 Sequoia-*1134*
A.B., Stanford, 1926
[12]Meagher, Albert Tomlinson — Oakland — LD 27·29+2 — Encina
[4]Meairs, Robin P. — Dodge City, Kans. — Educ. gr. — 11 Lasuen-*2365*
B.S., Kansas State Teachers College, 1922
Meakin, Jack Brunker — Salt Lake City, U. — LD 82–6 — Phi Kappa Sigma-*1306*
[5]Meehan, William John — Dumbarton Oaks — S.Biol.gr. — Dumb'n Oaks-Bx 636,p
A.B., Stanford, 1926
[4]Meeker, Jean Kepner — Pomona — Econ. ‡ — 313 Union
Meeks, Thomas Sidney — Hollywood — Law 138+89 — Alpha Delta Phi-*J*
Mei, Ju Ao — Nanchang, China — Econ. 96·87+120 — Chinese Club-*55*
A.B., Stanford, 1926
Melgaard, Margaret — Oakland — LD 44+40 — 248 Roble
Melkonian, Leon — San Francisco — Med. gr. — 510 22d Ave., SF-sf
A.B., Stanford, 1924
Melton, James C. — Los Angeles — LD 45+4 — 409 Encina-*1544*
Mendelowitz, Daniel Marcus — San José — Ed.G.A.90·92+87 — 475 S. 15th,SJ-sj
A.B., Stanford, 1926

[5]Mendenhall, Ferdinand Walter	Van Nuys	LD 18–7	436 Encina
Mendenhall, Zelda	Palo Alto	LD 43·25–9	320 Roble-*962*
[5]Menken, Frederick Andrew A.B., Stanford, 1926	Santa Barbara	Min. gr.	335 Union
[1]Mentz, Wilko, Jr.	Porterville	LD 55+11	Delta Upsilon-*1353*
[5]Menzies, John MacIntosh	San Rafael	Econ. 135+9	Chi Psi-*1648*
[5]Mercado, Louis Robertson	San Francisco	LD 39–19	304 Encina-*2424*
[4]Merrill, Amos Newlove M.S., Illinois, 1908	Provo, Utah	Educ. gr.	329 Hawthorne-p
Merrill, Eugene Scherb	Pasadena	LD 32·52+48	362 Encina-*2541*
[4]Merrill, Raymond M. A.B., Stanford, 1925	Denver, Colo.	Law gr.	Union
Merritt, Louise Sutermeister	Ithaca, N.Y.	Hist. 116·46+44	Kap.Al.The.-*1336*
[4]Merz, Edna	Los Angeles	LD sp.	Roble
Meservey, Douglas Wyman	Kearney, Nebr.	Law 47·133+50	Beta Theta Pi-*1335*
[1]Meshchakow, Paul Stephen	San Francisco	LD 9–24	621 High
[4]Mestre, Harold A.B., California, 1923	Fresno	S.Biol. gr.	26 Alvarado-*1881*
Metzler, John Adam, Jr. A.B., California, 1922; J.D., Stanford, 1926	Berkeley	Law gr.	Delta Tau Delta
[4]Mewborn, A. Boyd	Tucson, Ariz.	Engl. ‡	135 Harriett-*1216*
Meyberg, Edwin Julius	Los Angeles	LD 70–8	205 Branner-*1196*
[5]Meyer, Carl W.	San Bernardino	LD 28–6	447 Encina-*1495*
[23]Meyer, Gibbons Eduard	San Francisco	LD 33+19	218 Encina
Meyer, Margaret	Sacramento	LD 60+6	Alpha Phi-*1387*
Meyer, Norton A.B., Stanford, 1926	San Francisco	C.E. 185+59	212 Toyon-*1855*
Meyer, Philip N. A.B., Stanford, 1926	Stanford Univ.	Econ. 182+31	Delta Tau Delta-*1363*
Meyer, William W. A.B., Stanford, 1926	San Francisco	Min. 180+184	1373 Clay, SF-sf
Meyers, Philip Thomas	Stanford Univ.	Econ. 165+52	Delta Chi-*1304*
Meylan, Edward F. A.B., Stanford, 1926	Geneva, Switzerland	Fr. 135·45+39	328 Union
[4]Michaels, Henry	San Francisco	LD	121 Toyon
[12]Middleton, Joel Dugger A.B., Stanford, 1926	Phoenix, Ariz.	Hist. 180+21	Kappa Sigma-*1326*
Miles, Joseph Harvey	Los Angeles	LD 44–3	347 Encina-*1826*
Miles, Katherine	Los Angeles	LD 43+1	Roble-*1724*
[4]Miley, Margaret Loper	Fresno	Engl. 95·138+1	Roble-*1387*
[4]Millage, James Henry	Palo Alto	LD ‡ 27+4	44 Encina Ave.-p
[1]Millar, Henry Lloyd A.B., Stanford, 1925	Ogden, Utah	Min. gr.	213 Union-*1036*
[2]Miller, Albert E.	Marysville	LD 21–35	1037 Ramona-*1117*
[1]Miller, Alfred Amasa A.B., Stanford, 1924, J.D., 1926	Seattle, Wash.	Law gr.	215 Union-*1632*
Miller, Arthur Capps	Fresnillo, Mex.	LD 93+85	251 Toyon-*2056*
[1]Miller, Bernice Elizabeth	San Francisco	Hist. 95+21	Kap.Kap.Gam.-*1354*
[4]Miller, Elmer A.B., Stanford, 1914	Provo, Utah	Econ. gr.	329 Hawthorne-p
[234]Miller, Evelyn Howard A.B., Stanford, 1925	Sacramento	Anat. gr.	Madroño-*1200*
Miller, Fred Allen	Anaheim	LD 113+11	Alpha Kap.Lamb.-*658*
Miller, Harold Anderson A.B., Stanford, 1926	Aberdeen, Wash.	Econ. 181+16	Kappa Sigma-*1326*
[234]Miller, Harold E.	Mayfield	Econ. 144+2	570 Oxford-*764*

[12]Miller, Hutton — Upland — Econ. 129·53+0 — DeltaKap.Eps.-*O*
A.B., Stanford, 1926

Miller, John Johnston, Jr. — San José — Med. gr. — 2211 California, SF-sf
A.B., Stanford, 1925

[3]Miller, Joseph Adams — San Francisco — LD 6–9 — 233 Encina

[23]Miller, Laura Minty — Jerome, Ariz. — LD 72+13 — Alpha Phi-*1387*

Miller, Louis Gardner — Marysville — Fr. 131+100 — 20 Branner-*1124*

[12]Miller, Margaret R. — Santa Fe, N.Mex. — LD 81+23 — 320 Roble

[12]Miller, Maxine — Los Angeles — Econ.110·72+5 — Kap.Al.Theta-*1336*
A.B., Stanford, 1926

Miller, Neil Albert — Monrovia — LD 73·57+9 — Alpha Delta Phi

Miller, Philip J. — Visalia — Med. gr. — 2317 Sacramento, SF-sf
A.B., Stanford, 1924

Miller, Ralph Blair — Swissvale, Pa. — M.E. 106·97+13 — 103 Sequoia-*2601*
A.B., Stanford, 1926

Miller, Ream Victor — Riverside — LD 47+55 — 344 Encina-*2024*

[34]Miller, Robert Lincoln — Berkeley — LD 37·16+11 — 425 Encina

Miller, Sally — Porterville — LD 50+79 — 304 Roble-*1573*

[12]Miller, Samuel — Boston, Mass. — Econ. 9·112+31 — 228 Branner-*1107*

[1]Miller, Stanley W. — Stanford Univ. — Law 90·67–14 — 63 Sequoia-*1882*

Miller, Theodore F. — Clarkdale, Ariz. — Engl. 180+115 — 136 Toyon-*I*
A.B., Stanford, 1926

Milliken, Sheldon Spencer — Pasadena — Law gr. — Alpha Kap. Lambda-*658*
A.B., Stanford, 1925

[4]Millikin, Bruce E. — Salt Lake City, Utah — Educ. gr. — 151 Cowper-p
B.S., Columbia, 1910

Mills, Walter T. — Berkeley — LD 3·88–13 — Boat House

[5]Millspaugh, H. Sloane — Spokane, Wash. — Law gr. — 542 Encina-*684*
A.B., Stanford, 1923

[12]Minard, Claude Russell — Fresno — Law gr. — 207 Union-*1855*
A.B., Stanford, 1923, J.D., 1926

[23]Miner, Nagel T. — Palo Alto — Law gr. — 475 Tennyson-p
A.B., Stanford, 1925

[4]Miner, Paul Chase — Lyman, Wyo. — Educ. gr. — 211 Toyon
A.B., Brigham Young, 1911; A.M., Utah, 1915

Minner, Victor Julian — Carbondale, Ill. — Min. gr. — 536 Encina-*1086*
A.B., Stanford, 1925

Minskey, Ruth — Venice — LD 49+66 — 252 Roble-*2005*

Miron, Carlos, Jr. — Guatemala, C.A. — Law 161+12 — 238 Toyon-*2642*

[4]Mitchell, Clifford L. — Burlingame — Educ. gr. — 705 Farrington, B-b
B.S., Oregon, 1919

Mitchell, Howard L. — Berkeley — Econ. 180+75 — 532 Encina-*I*
A.B., Stanford, 1926

[12]Mitchell, Roberta Hasty — San José — S.Educ. gr. — Pi Beta Phi-*1332*
A.B., Stanford, 1925

[23]Mitchell, Roy Fred — Grass Valley — LD 29+8 — 31 Encina-*2152*

Mitchell, Vaughn — Sanger — Med. gr. — 2178 Pine, SF-sf
A.B., Stanford, 1923

[23]Mittauer, Frank Theodore — Albany,Ore. — LD 57·21+10 — 43 Encina

[2]Mitten, Emeline Williams — Palo Alto — Soc.S. 152+136 — 200 Kingsley-p

Mockett, Paul Hilliker — Kimball, Nebr. — LD 33+6 — Encina

[12]Moen, Arthur Joseph — Zelzah — M.E. 93·90+50 — 317 Sequoia-*1964*
A.B., Stanford, 1926

Moffitt, Albert Hubbard, Jr. — Oakland — LD 39+16 — 306 Encina

[4]Moffitt, Cecil Paul — Madera — Educ. gr. — 132 Toyon
B.S., Oregon Agricultural, 1913

[24]Molony, Mary Deming — Palo Alto — LD 20–26 — Roble
[23]Monohan, Leo Clement — Wakefield, R.I. — S.Bus. gr. — 25 Alvarado-*593*
A.B., George Washington, 1923
Monferino, Louis, Jr. — San José — Econ. 90·47+6 — 643 High-p
Monfort, Gordon Wright — Berkeley — LD 47+7 — 302 Encina-*1312*
Monroe, Yoves M. — Long Beach — Hist. 181–22 — 318 Emerson-*993*
Monson, Otto Junius, Jr. — Santa Monica — LD 43·31+33 — 430 Encina
Montgomery, Charles Carroll, Jr. — Pasadena — Span. 90·44+34 — Del.Tau Del.-*1363*
Montgomery, Clifton Reynolds — Lodi — LD 95+129 — Beta Theta Pi-*1335*
[4]Montgomery, Cora — Palo Alto — Educ. ‡ — 209 Homer-p
[5]Montgomery, Martha — New Albany, Ind. — Hist. gr. — Kappa Kappa Gam.-*1354*
A.B., Stanford, 1923
Montgomery, Montel — San Francisco — Chem. 137+124 — 209 Branner-*1089*
Montgomery, Ruth Irene — Lodi — Engl. 92·88+51 — Gam.Phi Beta-*1337*
A.B., Stanford, 1926
[4]Montgomery, Winona E. — Phoenix, Ariz. — Pol.S. gr. — 206 Roble
A.B., Arizona, 1921, A.M., 1923
Moomaw, Chester Carl — Wilmington — LD 31–15 — 302 Encina
Mooney, Theodore Davis — Palo Alto — M.E. 84·118+45 — 827 Lincoln-p
A.B., Stanford, 1926
Moor, Victor Douglass — Vallejo — LD 53+94 — 208 Encina-*847*
Moore, Caroline — Stockton — Math. 142+114 — Chi Omega-*1386*
Moore, Charles Lock — El Cajon — LD 49+43 — 447 Encina-*2193*
Moore, Clifton Hayes — Lodi — LD 91+0 — Alpha Delta Phi-*J*
Moore, Francis J. — Zamboanga, P.I. — Econ. 120+64 — Kappa Sigma-*1326*
[12]Moore, Fred C. — San José — Min. 90·67–15 — 359 N. 15th, SJ-sj
[4]Moore, Helen Woodmansee — Modesto — LD ‡ — 249 Roble-*2315*
Moore, Howard P. — Zamboanga, P.I. — LD 64–10 — Kappa Sigma-*1326*
Moore, Jack Beals — Fresno — Med. gr. — 1925 Pierce, SF-sf
A.B., Stanford, 1924
Moore, Jack Kuehn — Los Angeles — LD 109+82 — 217 Toyon-*1584*
[4]Moore, Joseph Rockefeller — Blythe — Educ. gr. — Madroño-*2396*
B.S., Missouri State Teachers College, 1920
[4]Moore, Marguerite — San José — Hist. gr. — 955 Plaza Drive, SJ-sj
A.B., Stanford, 1918
Moore, Mary Katharine — Los Angeles — Engl. gr. — Manzanita-*576*
A.B., Occidental, 1925
[1]Moore, Robert Griffen — San José — Econ. 107·75+73 — 297 Reed, SJ-sj
A.B., Stanford, 1926
[22]Moore, Robert Marion — San José — Engl. 165+85 — 229 Union
[4]Moore, Samuel S. — San Francisco — S.Educ. gr. — 61 Hamburg, SF-sf
A.M., Nebraska, 1913
Moore, Stanley T. — Sausalito — LD 63+1 — 320 Sequoia-*2811*
[5]Moreland, Edward Philip — Burlingame — Fr. 123+32 — 248 Branner-*1472*
[1]Moretti, Louis Ramon — Mill Valley — Min. gr. — Theta Xi-*1355*
A.B., Stanford, 1923, Engineer, 1926
[3]Morgan, Francis K. — Palo Alto — LD 59+21 — 105 Sequoia-*1742*
Morgan, Harold G. — Los Angeles — Econ. 47·133+112 — 332 Forest-p
A.B., Stanford, 1926
Morgan, K. Lorna Downs — Riverside — Engl. 116·64+39 — 332 Forest-p
A.B., Stanford, 1926
Morgan, Nathaniel Richard — Stan. Univ. — LD 97+160 — 105 Sequoia-*1742*
Morley, Vivian Albert — Bakersfield — LD 95+66 — 225 Toyon-*1662*
Morrill, Clifton W. — Santa Rosa — LD 92–1 — Kappa Alpha-*1356*
[234]Morris, Harold — Oxnard — Geol. 183+23 — 406 Ramona-p

Morris, Joseph Jonathan — San Francisco — LD 41–17 — 433 Encina
[4]Morris, Myletta Mae — Santa Barbara — Educ. gr. — Madroño
B.S., Columbia, 1923
Morris, Preston Wilson, Jr. — Santa Monica — LD 86–9 — 25 Salvatierra-*603*
Morris, Virginia Kathryn — Santa Monica — Engl. 97·43+18 — *232* Roble
[4]Morrison, Abram Mitchell — Hollywood — LD 81–16 — *226* Toyon-*538*
[4]Morrison, Benjamin Henry — Long Beach — Educ. gr. — 159 Emerson-p
A.B., Colorado State Teachers College, 1918, A.M., 1919
[5]Morrison, Erwin Gorham — San Francisco — Econ. 16+3 — Delta Tau Delta-*1363*
Morrison, Gordon Monroe — San Mateo — Pre-Med. 82·56+0 — Theta Xi-*1335*
[4]Morrison, Ralph Edwin — Santa Cruz — Law gr. — 721 Waverley-p
A.B., Kansas, 1921
Morrison, Robert Rixford — Lompoc — LD 34–17 — 625 Hamilton-*2722*
[4]Morrison, Roland Jackson — Santa Clara — Phil. gr. — 1196 Main, SC-sc
A.B., Stanford, 1923
[12]Morrow, Kenneth John — Wallace, Idaho — Econ. 105·75+63 — PhiDel.The.-*1334*
A.B., Stanford, 1926
Morse, Cecily — Menlo Heights — LD 89+49 — Delta Delta Delta-*840*
Morse, Philip Gray — Menlo Heights — LD 40–27 — Menlo Heights-*840*
[5]Morse, Stanley Wallace — Palo Alto — Chem. gr. — 10 Salvatierra-*1743*
A.B., Hanover, 1920; A.M., Stanford, 1926
Morse, William Russell — Stanford Univ. — Engl. gr. — 11 Salvatierra-*1051*
A.B., Harvard, 1876, A.M., 1910, Ph.D., 1914
[1]Morton, Charles Villiers — Manila, P.I. — LD 91–16 — Kappa Sigma-*1326*
[4]Morton, Edward Perry — San Francisco — Law gr. — 302 Union
B.S., Pennsylvania, 1917
Morton, Marcia Ellsworth — Los Angeles — Hist. 9·148+168 — Pi Beta Phi-*1332*
Mortsolf, Kenneth J. — Warmsprings, Ore. — Econ. 164+39 — Delta Upsilon-*1353*
Mosher, Francis W., Jr. — San Francisco — Soc.S.-Jn.140+106 — 227Brnner-*1093*
Mosher, Helen Elizabeth — Long Beach — LD 91+49 — Delta Delta Delta-*1325*
[4]Mosher, John A. — Pomona — LD 82·37+35 — 323 Union
Moss, Thomas Heyden — Los Angeles — LD 40–15 — 215 Encina-*1847*
[1]Mossman, Ralph Westbrook — Antioch — LD 96–15 — 233 Branner
[5]Motheral, John Grahame — Hanford — Econ. 165+146 — Al. Tau Ome.-*1384*
Mott, George Fox, Jr. — Riverside — LD 46+29 — 202 Encina-*688*
[12]Moule, Richard Harding — Palo Alto — Econ. 180+17 — Kappa Sigma-*1326*
A.B., Stanford, 1926
Moulton, Virginia — Chico — LD 45+44 — 329 Roble-*1992*
[5]Moy, Herbert Bing — Stanford Univ. — LD 25·127+93 — County Road-*1055*
Mudge, Anne Cushman — Sacramento — LD 46+24 — 375 Roble-*1945*
Mudgett, Margaret Holt — Los Angeles — LD 47+46 — 360 Roble-*1482*
Mueller, Gustave Adolf — Pacific Beach — LD 75+31 — Phi Kappa Sigma-*1306*
Muhs, Fred R. — Berkeley — C.E. 181+230 — 355 Encina-*1191*
A.B., Stanford, 1926
[2]Mulford, Russell Gilbert — Los Angeles — LD 18· — Delta Chi-*1304*
Muller, Donald Fletcher — San Francisco — LD 43+9 — 421 Encina
[4]Muller, Nellie Caroline — St. Paul, Minn. — Germ. gr. — 173 Roble
A.B., Stanford, 1905
[234]Munholland, John E. — Long Beach — LD 62+3 — Phi Kappa Psi-*1333*
[4]Murphy, Mary M. — Ann Arbor, Mich. — Educ. gr. — 189 Cowper-p
A.B., California, 1926
[15]Murphy, Michael Mark — Berkeley — LD 86+13 — Delta Kappa Eps.-*OO*
Murphy, Paul Fuller — Portland, Ore. — LD 42–8 — 21 Encina-*1843*
Murphy, Ramund Robert — San Francisco — Law 180+87 — Sigma Nu-*1385*
A.B., Stanford, 1926

Murray, Donald Angus	Suisun	LD 90+29	213 Sequoia
[4]Murray, Mary Grace B.S., Jamestown, 1922	Fellows	Educ. gr.	177 Roble-*2697*
[4]Murray, Nettie Lorene B.S., Oregon Agricultural, 1924	Dallas, Ore.	Zoöl. gr.	Pacific Grove-pg
Musick, Lewis Willis	Newark	LD 59+21	Stanford Park
[3]Musso, Ernest Francis	Bowman	LD 90+5	316 Sequoia
[2]Mustain, Marshall G.	El Paso, Tex.	LD 58+26	Sigma Chi-*628*
[23]Musto, Joseph Clarence	San Francisco	LD 28–12	137 Encina
[12]Musto, Kathleen Marie	San Francisco	Span. 109+75	Alpha Phi-*1387*
[4]Myers, Irvel A.B., Drake, 1917; A.M., Stanford, 1921	Palo Alto	Educ. gr.	347 Alma-p
Myers, L. Emery A.B., Stanford, 1926	Glendale	Zoöl. 180+66	306 Sequoia-*1170*
[12]Myers, Mabel A. A.B., Iowa, 1921	Palo Alto	Engl. gr.	Madroño
Myers, Robert Pearce A.B., Stanford, 1925	Long Beach	Law gr.	Phi Kappa Psi-*1333*
[134]Mynard, Charles Edgar	Oakland	LD 74+80	302 Toyon-*833*
Nakano, Stewart Kazuichi	Los Altos	LD 46+86	Los Altos-la
[4]Nash, Clarence B.S., State College of Washington, 1922; A.M., California, 1925	Sacramento	Phys. gr.	Union
[124]Nason, Richard N., Jr.	San Francisco	LD 33+29	249 Encina
Natcher, Stanlus Z.	Los Angeles	M.E. 137+43	Zeta Psi-*B*
[6]Nauman, J. Patrice	San Francisco	Hist. 165+110	Delta Gamma-*1366*
Naumes, Edward Peter	Hood River, Ore.	LD 47+37	353 Encina-*2633*
[12]Naval, Macario G. A.B., Iowa State Teachers College, 1925; A.M., Stanford, 1926	San Fernando, P.I.	Educ. gr.	227 Channing-*1411*
[4]Naylor, Blanche A.B., San Diego State Teachers College, 1924	San Diego	Educ. gr.	34 Lasuen
[4]Neall, Harriet Elizabeth	Eureka	Psych. ‡	216 Roble
[1]Neff, Harold Arthur A.B., Stanford, 1926	Palo Alto	Econ. 180+55	908 Boyce-p
[3]Negus, William Nelson	Lompoc	LD 75–27	501 Encina
[3]Neill, James Palmer	Santa Monica	LD 15+2	432 Encina-*2244*
[12]Neill, William C. A.B., Stanford, 1926	Santa Monica	Econ. 181+28	Phi Kap. Sig.-*1306*
[4]Nelson, Charles A. A.B., Washington, 1906	Mt. Vernon, Wash.	Educ. gr.	Toyon
Nelson, Clarence Henry A.B., Stanford, 1925	Long Beach	Med. gr.	2317 Sacramento, SF-sf
Nelson, Clifford Adolph	San Francisco	LD 51+13	322 Encina-*2172*
Nelson, Donald Sheets	Arbuckle	LD 46+10	227 Encina-*2604*
[4]Nelson, Esther Olive B.S., Washington, 1923	Mt. Vernon, Wash.	Educ. gr.	Cardinal Hotel-p
[4]Nelson, E. Theresia B.S., Minnesota, 1923	Hastings, Minn.	Hist. gr.	Roble-*2495*
[1]Nelson, Helen Eugenia	San José	Engl. 4·132+167	247 Roble-*142*
[4]Nelson, Ina May A.B., Stanford, 1920	San José	Educ. gr.	382 Minnesota, SJ-sj
Nelson, John Lloyd	Corte Madera	LD 45+3	449 Encina-*859*
[4]Nelson, Mary Bertina B.S., Kansas State Teachers College, 1921	Sparks, Nev.	Educ. gr.	252 Roble
[4]Nelson, Mary R. M. A.B., Stanford, 1924	Clovis	Educ. gr.	706 Cowper
Nelson, Theodore Julius	San José	LD 95+97	31 Brooklyn, SJ-sj

Nelson, Walter Andrew	Long Beach	LD 35–12	32 Encina
[5]Nelson, Walter Jennings	Boise, Idaho	Law 90·84+6	105 Emerson-*1552*
[4]Nesbit, Glenn Alda	Phoenix, Ariz.	Educ. gr.	225 Roble-*2485*
A.B., DePauw, 1926			
[4]Netzorg, Muriel Hope	Detroit, Mich.	Fr. ‡	Roble-*2667*
[1]Nevers, Ernest	Santa Rosa	LD 94+31	Kappa Alpha-*1356*
[4]Neville, William Henry	Hollywood	LD 45+39	11 Lasuen
[4]Nevitt, Thomas Waldo	Tekoa, Wash.	Educ. gr.	207 University-p
A.B., State College of Washington, 1925			
[5]Newbegin, John William	Tacoma, Wash.	LD 45+11	400 Encina-*1671*
[4]Newcomb, Douglas Alex.	Long Beach	Educ. gr.	212 Toyon
B.S., Rochester, 1918			
Newcomb, Fred H.	Ashland, Ohio	LD 65–18	Delta Chi-*1304*
[34]Newcomb, Wayne	Rupert, Idaho	Pol.S. 90·41+15	Al.TauOme.-*1384*
[23]Newhouse, Frederic Huntley	Hollywood	LD 83+28	228 Toyon-*1076*
Newkirk, Dana Sheldon	Anaheim	Econ. 136+11	Kappa Sigma-*1326*
[5]Newland, Leroy S.	Palo Alto	Geol. 141+52	628 Middlefield-p
Newlee, Bailey Hayden, Jr.	Topeka, Kans.	Engl. 90·45+44	126 Branner-*1074*
[12]Newlove, Marlin E.	Santa Cruz	Geol. 137+53	205 Union-*1887*
Newman, Henry W.	Fresno	Zoöl. 136+201	218 Toyon-*1855*
Newman, Robert Wilson	Ogden, Utah	LD 72+45	562 Encina-*672*
Newman, William W.	Fresno	Med. gr.	2422 Clay, SF-sf
A.B., Stanford, 1921			
Newmark, Harris	Los Angeles	LD 53+35	28 Alvarado-*1997*
Newmark, Joseph Philip	Los Angeles	LD 27–20	405 Encina-*1997*
Newmark, Richard Roth	Los Angeles	Econ. 98+8	206 Branner-*1997*
Newmark, Stephen Mark	Los Angeles	LD 43+25	428 Encina-*1997*
Nicholas, Marion Irene	Los Angeles	Hist.138+187	Kap.Kap.Gam.-*1354*
Nicholas, Warren Whittier	Palo Alto	Phys. gr.	1344 Emerson-p
A.B., Stanford, 1923, A.M., 1924, Ph.D., 1926			
Nichols, Eleanor Mary	Pasadena	LD 41+30	324 Roble-*2702*
Nichols, Frank Culver	Hollywood	Econ. 181+88	240 Toyon-*I*
A.B., Stanford, 1926			
[12]Nichols, James Ross	Huntington Beach	LD 44–26	Delta Tau Delta-*1663*
[4]Nichols, John Ralph	Palo Alto	Educ. gr.	1345 Webster-p
B.S., Oregon State Agricultural, 1922; A.M., Stanford, 1925			
Nichols, Winifred Barton	Pasadena	Econ. 180+75	Sigma Kappa-*1327*
A.B., Stanford, 1926			
Nickell, Morgan Robin	Long Beach	LD 40+11	125 Encina-*2001*
[12]Nickle, Neil Clark	Glendora	Geol. 40+16	Al. Tau Omega-*1384*
Niebergall, Herbert A.	Vancouver, B.C.	Med. gr.	St.Francis Hosp., SF-sf
A.B., Stanford, 1923			
[12]Nielsen, Elmer	Greenville, Mich.	Econ. 83·28+5	29 Salvatierra
[4]Nielsen, Helen Marie	San José	LD ‡	75 Cleaves, SJ-sj
Nielsen, Maurice Lewis	Palo Alto	Law gr.	627 Fulton-p
A.B., Stanford, 1925			
Nielson, Adonis Haight	Oakley, Idaho	Law gr.	554 Encina-*1031*
A.B., Stanford, 1923, J.D., 1926			
[4]Nielson, Segvald	Edmonton, Can.	Law gr.	543 Forest-p
A.B., Alberta, 1922, LL.B., 1924			
Niemann, Christian William	Palo Alto	Chem. gr.	1176 Emerson-p
A.B., Stanford, 1925, A.M., 1926			
[12]Nisbet, Clara Lou	Upland	Hist.117·86+14	Kap.Al.Theta-*1336*
A.B., Stanford, 1926			
[12]Nishimoto, Shigeaki	San Francisco	LD 47+80	Japanese Club-*598*

Nissen, Eugene W. Alameda LD 50–14 Phi Sigma Kappa-*538*
Nittler, Rudolph John Oakland Law 52·119+47 225 Toyon-*1637*
[4]Nitzkowski, Ellen Mankato, Minn. Educ. gr. Roble
Ph.B., Hamline, 1912
[5]Noack, William Raymond Alameda Econ. 106+71 408 Sequoia-*1461*
[234]Noble, Burton Avery San Francisco Chem. gr. 502 Encina
A.B., Stanford, 1925
Nolan, Lloyd Benedict San Francisco LD 84–19 Delta Kap. Epsilon-*OO*
Noland, Harry Leslie Saquache, Colo. Law gr. 232 Union-*1268*
A.B., Stanford, 1926
[34]Nolin, Lewis Lorin Dayton, Wash. Educ. gr. 919 Ramona-p
A.B., State College of Washington, 1913
[23]Norberg, Nils Gunnar LittleFalls,Minn. LD 29+10 221 Encina-*2291*
[5]Norberg,Raymond William Los Angeles Chem. gr. 205 Union-*2344*
A.B., Stanford, 1925
Nordheim, Ted Kenneth Palo Alto LD 45·44+0 750 Hamilton-p
Norman, Charles, Jr. Greenville, Ind. Soc.S. gr. 640 Waverley-p
A.B., DePauw, 1922
[13]Norman, Winston Los Angeles LD 56+89 · Alpha Sigma Phi-*1357*
North, Helen Esther Los Angeles LD 44+26 157 Roble-*2802*
North, Julia Miriam Guadalupe, Mexico LD 45·39+13 371 Roble-*2802*
Northcote,Oliver Stafford Los Angeles LD 49+33 427 Encina-*645*
[1]Northcross, Oliver G. Phoenix, Ariz. LD 50·43–2 564 Encina
[4]Northrup, Elsie Elisabeth Redwood City Educ. ‡ 7+9 1236 Hopkins, RC-rc
Northway, William H., Jr. Hughson Pre-Clin. 189+143 407 Sequoia
A.B., Stanford, 1926
[1]Norton, Henry Eugene Escondido Bot. gr. 625 Hamilton-p
A.B., Yale, 1922
[5]Norton, Oliver Edward Palo Alto Pol.S. gr. 136 Middlefield-p
A.B., College of the Pacific, 1921
Norwood,IrvingCarlisle,Jr. SantaMonica LD 40·76+46 105 Sequoia
Nourse,Barbara Elizabeth San Francisco Ed.G.A. 142+0 K.K.Gam.-*1354*
Nowell, Charles Edward Fresno Hist. 132·61+91 511 Encina
A.B., Stanford, 1926
[1]Nowell, John Chase, Jr. San Mateo LD 33–33 Alpha Tau Omega-*1384*
[4]Noyes, E. Louise Santa Barbara Engl. gr. 11 Salvatierra-*2426*
A.B., Northwestern, 1911
[23]Nunlist, Marshall B. Brooklyn, N.Y. LD 34+49 204 Encina-*2213*
[1]Nusbickel, Fred Parker San Dimas LD 12·54–20 DeltaTauDelta-*1363*
Nussbaum, Weldon Cape Girardeau, Mo. E.E. gr. 331 Union-*2191*
B.S., Mississippi Agricultural and Mechanical College, 1924
[234]Nutter, Edward Allen Berkeley LD 4·56–27 1527 Waverley-p
[4]Oakes, Gladys B. Portland, Ore. Educ. ‡ 370 Roble-*2786*
Oatman, Homer Clifton, Jr. San Diego Zoöl. 6·177+22 Zeta Psi-*B*
A.B., Stanford, 1926
O'Brien, Richard Joseph San Francisco LD 44–1 124 Encina-*2321*
O'Carroll, Harry J. San José Min. gr. 90 Sequoia
A.B., Stanford, 1926
[4]Ochsner, Lois Helena Sacramento LD ‡ Roble
[12]O'Connor, James Wallace Venice LD 62–15 Phi Delta Theta-*1334*
[3]Odell, Harvey Hardy Los Angeles LD 10+8 331 Encina-*2461*
Odemar, Walter Henry Los Angeles Law 169+73 258 Toyon-*1299*
[34]O'Donnell,Stephen Francis Los Angeles Soc.S.-Jn.95–15 PhiGammaDelta
[5]O'Dooley, Daniel Joseph Menlo Heights Fr. gr. Menlo Heights-*2221*
A.B., Stanford, 1926
Offerman, G. Henry Los Altos Educ. 106+36 Los Altos-la

Officer, Robert H. Washington, D.C. Econ.45·135+11 AlphaDeltaPhi-*JJ*
A.B., Stanford, 1926
Ogden, Lionel Santa Monica LD 130+3 Delta Kappa Epsilon-*O*
Ogden, Roderick Alan Hollywood Med. gr. 2470 Clay, SF-sf
A.B., Stanford, 1925
[3]Ogden, William Winston Santa Monica LD 24–10 Delta Kappa Epsilon-*O*
Ogg, Richard Andrew, Jr. Palo Alto LD 52+104 369 Forest-p
O'Hara, F. Paul Los Angeles Med. gr. 2201 California, SF-sf
A.B., Stanford, 1924
O'Hara, Joseph Jerome Los Angeles Med. gr. 2201 California, SF-sf
A.B., Stanford, 1925
[4]Ohlson, David Everett, Wash. Educ. gr. 333 Union
A.B., Washington, 1913, M.S., 1915
[3]Ohyama, Hideji Tokyo, Japan Soc.S.-Jn. gr. Japanese Club-*598*
B.L., Keio University, 1919
[5]O'Keefe, Marcella Frances Menlo Park S.Educ. gr. Pi Beta Phi-*516*
A.B., Stanford, 1926
[23]Okker, William Burlingame LD 27+3 1408 Burlingame, B-b
[124]Okumoto, Yoshio Hilo, Hawaii LD 24·65+45 2 Alvarado-*1444*
[1]Oleson, Harry A. Gypsum, Colo. LD 61+52 128 Branner
Oliva, David Melvin San Francisco Law gr. 534 Encina
A.B., Stanford, 1925
Oliver, Harriet Elizabeth Los Altos Soc.S.180+149 Delta Gamma-*1366*
A.B., Stanford, 1926
[23]Oliver, R. Russell San Francisco Econ. 106·25+3 Del. Tau Del.-*1363*
Olney, Cora Dorothy Berkeley Soc.S. 66·70+90 Alpha Phi-*1387*
[4]Olsen, Dan M. Palo Alto Educ. gr. 325 Union
A.B., Stanford, 1925
Olsen, Margaret Elizabeth Los Angeles LD 90+170 220 Roble-*1845*
Olson, Louis Victor Salt Lake City,U. LD sp. 77+43 3 Union-*1171*
Olson, Lyle Williams Sioux Falls, S.D. LD 45+33 18 Encina-*1751*
[4]Olson, Oscar Henry Redwood City Educ. gr. 8 Orchard, RC-rc
B.S., California, 1924
O'Malley,Charles Donald San Francisco LD 83+29 124 Toyon
[5]Oneal, Duncan San José Law 43·109+24 Del. Tau Del.-*1363*
[4]Oneil, Maud E. Mountain View Engl. gr. 355 Palo Alto, MV-mv
A.B., Stanford, 1924
[4]O'Neill. Kate Navin Riverside Educ. gr. 360 Roble
A.M., California, 1923
[4]Oneill, Thomas Joseph Los Angeles Chem. gr. 335 Union
A.B., Santa Clara, 1925
[4]de Ong, Elmer Ralph Berkeley Zoöl. gr. 1141 Oxford, B-b
B.S., California, 1915
[4]Opgenorth, Olive Carolyn Tacoma, Wn. Hist. gr. Roble
A.B., Wisconsin, 1916; A.M., Stanford, 1923
[12]Ophüls, Clara Louise San Francisco LD 61+18 Kappa Kap. Gam.-*1354*
Ophüls, Ernst Carl San Francisco LD 43+17 231 Encina
Orem, Hollis Salt Lake City, Utah S.Engr. 145+130 1205 Fulton-p
[1]Orme, Lindley Henry Phoenix, Ariz. Law gr. 541 Cowper-p
A.B., Arizona, 1923; J.D., Stanford, 1926
Orme, Richard Edward Oakland Med. gr. 580 William, O-o
A.B., California, 1923
Orsborn, Ernest Vincent San Francisco Pre-Clin.135·45+2 2112Pine,SF-sf
A.B., Stanford, 1926
[12]Orton, Frederick Gutherl San Francisco LD 79+53 Theta Delta Chi-*1828*
Osborn, Clarence Gladden Los Angeles Hist. 5·178+231 Alpha Delta Phi
A.B., Stanford, 1926

[4]Osborn, John Harlan A.B., Baker, 1911	Leavenworth,Wn.	Educ. gr.	*232* Union
[12]Osmonson, Willis Enos	Palo Alto	LD 27–*27*	576 Everett-p
[5]O'Sullivan, John Clark	Morgan Hill	LD 40+4	19 Encina-*2189*
Otis, Webster Bailey A.B., Stanford, 1926	Pasadena	Econ. 182+54	103 Branner
[34]Otto, William August A.B., Michigan, 1906	Mountain View	Educ. gr.	*327* View, MV-mv
[5]Ouderkirk, William R.	Honolulu, T.H.	Law 84·43+27	555 Harvard, M-m
Overfelt, Charles Harold A.B., Stanford, 1925	San José	S.Bus. gr.	Sigma Nu-*1385*
[4]Overfelt, Dorothy Louise A.B., Stanford, 1924	San José	S.Educ. gr.	Roble-*1325*
[4]Overholtzer,Edwin Clarence A.B., California, 1912, A.M., 1923	Sacramento	Educ. gr.	309 Union-*2451*
[4]Overhulse, Clarence K. A.B., South Dakota, 1904	Weston, Ore.	Pol.S. gr.	285 W. Reed, SJ-sj
Oviatt, Tod	Santa Barbara	Hist. 161+32	Phi Del. Theta-*1334*
[12]Owen, Edna May	Napa	LD 36–10	625 Hamilton-p
Owen, Erwin Wesley	Bakersfield	Chem. 90·76+73	403 Sequoia-*2692*
Owen, Margaret	Palo Alto	LD 45+50	150 Roble-*1234*
Owens, Edgar Preston	Aetna Springs	LD 123+24	*723* Hamilton
[4]Owens, Nan C. A.B., San Jose State Teachers College, 1924	Mountain View	Ed.G.A. gr.	421 Loreto, MV-mv
[5]Ownby, James, Jr.	Gridley	LD 105+38	Kappa Sigma-*1326*
[3]Pabst, William D.	San Francisco	LD 43–28	Phi Kappa Psi-*1333*
Packard, Walter Haskins	Corcoran	LD 38+2	*324* Encina-*2611*
Paddleford, George Stetson	Pasadena	LD 44–10	*427* Encina
Paddock, James Edgar	Bakersfield	LD 38+18	446 Hamilton-p
Padgett,Vernon Wallace	Pine Bluff,Ark.	LD 60+48	17 Encina-*856*
[4]Page, Dorothy	Santa Barbara	Fr. 132·16+23	Roble
Page, Howard Wheeler	Los Angeles	Chem. 124+50	1001 Ramona-p
Page, Iola Alma	Stanford Univ.	LD 93+50	179 Roble-*504*
Page, William A.	Los Angeles	LD 67+31	1001 Ramona-p
Paine, Robert Treat	Redlands	LD 27+6	*238* Encina-*2791*
Paine, Roy Eddy	San Francisco	Min. 146+143	San Juan Hill-*2218*
Painter, David Staples, Jr.	San Francisco	LD 48–15	Theta Delta Chi-*1828*
[12]Painter, Edwin Merle	Bakersfield	LD 33+31	*329* Encina-*1973*
Pallette, Warren S. A.B., Stanford, 1926	Los Angeles	Law 181+108	Beta Theta Pi-*1335*
Palmer, Adelaide Dingley	Palo Alto	LD 43+22	243 Roble
[4]Palmer, Carolyn Spencer	S. Pasadena	LD ‡	237 Roble
[4]Palmer, Frederick Robie A.B., Stanford, 1924	Palo Alto	Educ. gr.	1035 Emerson-p
Palmer, W. Lewis	Palo Alto	S.Engr. 125+44	369 Churchill-p
[12]Palstine, John Orrick A.B., Stanford, 1926	Long Beach	Law 106·78+41	319 Union
Pan, Ta Kuei	Peking, China	Pol.S. 47–4	Chinese Club-*1136*
Paradise, Robert E.	Beverly Hills	Law 49·88+138	208 Branner-*1792*
Pareja, Francisco	Cuzco, Peru	LD 98+98	909 Alma-p
[5]Park, Kenneth Marvin	San Francisco	Engl. 127+206	109 Toyon
[234]Parker, Bert Lynn	Long Beach	Educ. 87·	700 Amherst
[234]Parker, Darrell Russell A.B., Stanford, 1926	Phoenix, Ariz.	Educ. gr.	Phi Sig. Kap.-*538*
Parker, Truman Alfred	La Jolla	LD 45+24	305 Encina-*536*

[12]Parker, William B. Mayfield Law gr. 1612 California
B.S., Minnesota, 1921
[12]Parks, Charles Helmer Cody, Wyo. S.Bus. gr. Phi Kappa Psi-*1333*
A.B., Stanford, 1925
[4]Parli, Irene University Place, Nebr. Educ. gr. 761 Bryant-p
A.B., Nebraska, 1923
[5]Parson, Alexander C. Oakland Bact. 113·20–14 420 Lowell-p
[1]Parson, Charles E. DeKalb, Ill. Phys. 78·95+11 Phi Gam. D.-*1324*
[4]Parsons, Arthur Wellesley San Francisco Cl. Lit. gr. Saratoga-s
Parsons, Jack James Menlo Park LD 99–20 Menlo Pk.-Box 543, mp
Parsons, Lloyd Samuel Palo Alto LD 98+35 633 Middlefield-p
[5]Parsons, William Henry Santa Cruz Econ. 174+6 Delta Tau Delta-*1363*
[13]Partridge, Ruth Elizabeth Palo Alto Span. 181+196 177 Everett-p
A.B., Stanford, 1926
Pascoe, George Lahey Martinez LD 30+12 425 Encina
[1]Pasquale, Yvonne A. San Francisco Hist. gr. Kappa Kappa Gam.-*1354*
A.B., Stanford, 1924
Pastorius, H. Evans, Jr. Redlands Econ. 180+36 Alpha Sig. Phi-*1357*
A.B., Stanford, 1926
[13]Patchett, Ernest Lynn San Luis Obispo LD 69+48 Theta Delta Chi-*1828*
[2]Patchett, Hubert Allan San Luis Obispo LD 54+5 Theta Delta Chi
[23]Patek, Sadie D. San Francisco Med. gr. 2355 Broadway, SF-sf
A.B., Stanford, 1911
[1]Patrick, David Lyall Iowa City, Iowa Engl. gr. 10 Union-*1621*
A.B., Iowa, 1922; A.M., Stanford, 1926
[3]Patrick, William Robert San Francisco LD 14+9 431 Encina
[34]Pattee, Howard Hunt Palo Alto Educ. gr. 470 Hamilton-*2241*
A.B., Pomona, 1922
Patten, Eleanor Hadley Alhambra LD 7·42+33 166 Roble-*2022*
Patterson,Edmund DeWitt, Jr. Redlands LD 94+47 1776 Waverley-*1221*
[4]Patterson, May Bird Newark Engl. 57· 20 Cabrillo
[23]Patterson, Orval Henry Chico Hist. 90·32+39 511 Encina
[4]Patterson, William Donald Newark LD 54+25 314 Union
Pattiani, Elizabeth San Francisco Econ.22·117+89 DeltaGamma-*1366*
[234]Paul, Carl John Redwood City LD 29+13 20 Birch, RC-rc
Paulsen, Catherine Margaret Palo Alto Engl. gr. 602 Waverley-p
A.B., Stanford, 1925
[4]Paulsen, Florence Anna Palo Alto LD ‡ 602 Waverley-p
[4]Paxton, Jessie Kirkland Pasadena Engl. gr. Madroño
A.B., Stanford, 1919, A.M., 1921
[4]Paxton, Margaret Fresno S.Educ. gr. Madroño
A.B., Fresno State Teachers College, 1923
Payne, Melville Eugene San Diego M.E. 90·92+38 233 Union-*1233*
A.B., Stanford, 1926
Payton, Curtis Charles Ferndale LD 95+20 707 Middlefield-p
Payton, Francis Walter Yuba City LD 38–4 249 Encina-*2621*
[234]Pearce, Mercèdes Redwood City Ed.G.A. gr. 709 Jefferson, RC-rc
A.B., Stanford, 1925
[4]Pearis, Samuel H. Binghamton, N.Y. Law gr. 305 Union-*2797*
A.B., Cornell, 1926
[4]Pearson, Edna Josephine Portland, Ore. Educ. gr. Cardinal Hotel-p
B.S., Oregon Agricultural, 1921
[1]Pearson,Harrell Beckham Calgary,Alta. LD 84–8 406 Ramona
[12]Pearson, Walter Lyall Faloma, Ore. Econ. 71·109+69 541 Emerson-p
A.B., Stanford, 1926
Pease, Marjorie Estelle Palo Alto Math. 139+106 707 Bryant-p
Peasley, Margaret Los Angeles LD 86+0 Kap. Alpha Theta-*1336*

[5]Peck, Alice Hawley — Los Angeles — Psych.154+24 — Gam. Phi Beta-*1337*
Peck, John Broderick — Honolulu, T.H. — LD 85+50 — Phi Sigma Kappa-*538*
Peck, S. Katheryn — Merced — Engl. 147+174 — Del. Del. Del.-*1325*
Peck, Templeton — Pomona — LD 47+86 — 107 Encina-*814*
Peers, Robert Stewart — Colfax — Med. gr. — 1001 Ramona-p
A.B., California, 1925
[23]Peery, Horace Taylor — Palo Alto — Econ. 21·30+15 — 401 Lytton-p
[5]Pegram, Reginald Byrne — Los Angeles — Law 156+21 — Al. Tau Omega-*1384*
[5]P'ei, Chien — Chengtu, China — Bot. 90·45+45 — Chinese Club-*960*
[5]Peipers, Pauline — South Pasadena — S.Educ. gr. — Kap. Kap. Gam.-*1354*
A.B., Stanford, 1926
[1]Peirce, Carolyn — Palo Alto — Bact. 181+248 — 281 Embarcadero-p
A.B., Stanford, 1926
[12]Peirce, Rosamond Hobart — Palo Alto — LD 31+42 — 274 Roble-*65*
[23]Peirsol, Madge — Claremont — Med. gr. — 2310 Buchanan, SF-sf
A.B., Pomona, 1921
Pence, Edward Alan — Mt. Home, Idaho — Law 49·79+4 — Sigma Chi-*1413*
[234]Pendleton, Philip Y. — Phoenix, Ariz. — Law48·73+30 — ThetaDeltaChi-*1828*
[12]Peng, Li Hwei — Kiangsi, China — Educ. gr. — Chinese Club-*14*
A.B., Stanford, 1926
[4]Peniwell, Laura Hartman — Phoenix, Ariz. — Engl. gr. — 303 Roble-*2467*
A.B., Arizona, 1924
[4]Pennington, Annavard — Jerome, Ariz. — Educ. ‡ — 304 Roble
[134]Peocock, Laura Alice — Palo Alto — Educ. 135·43+20 — 333 Waverley-p
[1]Pepper, Henry C. — Palo Alto — Hist. gr. — 212 Homer-p
A.B., Missouri, 1922, A.M., 1924
Pepys, Frederick Courtenay — La Jolla — Law 5·177+130 — 323 Sequoia-*2226*
A.B., Stanford, 1926
Percy, William Armstrong — Los Angeles — Law 104+8 — Zeta Psi-*B*
[13]Perham, Don DeBlois — Palo Alto — Engl. gr. — 335 Melville-p
A.B., Stanford, 1924, A.M., 1926
Pering, Alfred V. — Palo Alto — E.E. 180+107 — 660 Forest-p
A.B., Stanford, 1926
Perkins, Barbara Merihew — San Francisco — Span. 133+146 — Kap.Al.Theta-*1336*
Perkins, Horace Hall — Santa Ana — Engl. 90·47+11 — Hotel Palo Alto-p
[5]Perovich, Paul — San José — Chem. 82·57–5 — 1776 Pacific, SJ
Perrin, Harry B. — Mankato, Minn. — Econ. 76·96+84 — Phi Kap. Psi-*1333*
[5]Perry, Mabel — Hollywood — Educ. gr. — 3 Lasuen-*889*
A.B., Kansas, 1916; A.M., Stanford, 1926
[4]Perry, Martin William — Escondido — Educ. gr. — Union-*2276*
A.B., Nebraska Central, 1910
[5]Perry, Raymond C. — Anaheim — Phys. 98·71+65 — 205 Union-*2534*
Peters, Agnes Drummond — Alameda — Engl. 101·37+21 — 264 Roble-*2723*
Peters, Stanley Davis — Denver, Colo. — Hist.85·37+12 — Sig.AlphaEps.-*1305*
[5]Petersen, Camilla — San Francisco — S.Educ. gr. — Madroño-*1634*
A.B., Stanford, 1925
Petersen, Carol B. — Palo Alto — Econ. 120+68 — Chi Omega-*1386*
[23]Petersen, Irving H. — Richfield, Utah — LD 27–6 — 324 Encina-*2252*
[4]Peterson, Arthur G. — San Diego — Educ. gr. — 1119 High
A.B., College of the Pacific, 1912
Peterson, Edward J. L. — Turlock — C.E. 90·96+96 — 305 Sequoia-*2111*
A.B., Stanford, 1926
Peterson, Harold W. — Portland, Ore. — Law 143+143 — 217 Branner-*2311*
Peterson, P. Victor — San José — Chem. gr. — 460 S. 11th, SJ-sj
A.B., Iowa State Teachers College, 1917; A.M., Stanford, 1921
Peterson, Thomas J. — Los Angeles — LD 91+58 — 238 Branner-*1855*

[4]Petty, Mary A.B., Mills, 1920	Madera	Engl. gr.	316 Roble-*2725*
Phair, Carter Niles A.B., Stanford, 1926	Sebastopol	Educ. gr.	659 Middlefield-*1004*
[4]Philip, George C.	Omaha, Nebr.	LD 72–9	*242* Toyon
[23]Philippi, Robert Louis	Norwalk	LD 75+64	Phi Gamma Delta
Phillips, LaForest E., Jr. A.B., Stanford, 1926	Palo Alto	Bact. 18·194+32	1449 Univ.-p
Phillips, Walter Thomas A.B., Washington, 1925; A.M., Stanford, 1926	Tacoma, Wash.	Span. gr.	435 Homer-p
[12]Pierce, Billy M.	Oakland	LD 44–6	1004 Emerson-p
[3]Pierce, Norman Elliot	Suisun	LD 37–40	Chi Psi
[23]Pierce, William, Jr.	Suisun	LD 37–33	*33* Salvatierra
[12]Pigott, Josephine Gwenneth	San José	Ed.G.A.42·73+0	Kap.Al.The.-*1336*
[1]Pillsbury, Arthur F.	Yosemite	LD 97+46	434 Encina
Ping, Er Chang A.B., Stanford, 1925	China	Med. gr.	*2277* California, SF-sf
[23]Piper, Raymond J.	Virginia City, Nev.	LD 14–9	*423* Encina
[4]Pison, Donato Tijam, Jr.	Molo Iloilo,P.I.	LD ‡	407 Turner Ter., SM-sm
[1]Plant, Lucia Sarah A.B., Stanford, 1926	Palo Alto	Engl. 135·47+41	426 Waverley-p
[4]Platt, Imogene Bash A.B., Washington, 1914	Seattle, Wash.	Educ. gr.	*328* Roble
[4]Platts, John Milton B.S., Rose Polytechnic, 1899	Fresno	Educ. gr.	335 Lowell-p
[4]Pleasants, Frances A.B., Stanford, 1924	Nampa, Idaho	Hist. gr.	Roble-*1387*
Plowe, Janet Quentin A.B., Stanford, 1925, A.M., 1926	Hollywood	Bot. gr.	Manzanita-*1912*
Plumb, Jane Wheldon	So. Pasadena	LD 45+3	*357* Roble-*2694*
[4]Polhemus, Edwin Burnett	Sacramento	LD ‡	110 Kellogg-p
Polland, W. Scott A.B., Stanford, 1925	San Francisco	Med. gr.	*2201* California, SF-sf
Pollock, Wayne Evans A.B., Stanford, 1924	Clarksburg	Med. gr.	*2323* Sacramento, SF-sf
[4]Polverino, Joseph John	San Francisco	LD	118 Toyon-*2456*
[23]Poole, Robert William	Redwood City	LD 27+7	248 Washington, RC-rc
[4]Pope, Antoinette C. A.B., Santa Barbara State Teachers College, 1923	Ojai	Educ. gr.	*248* Roble-*2317*
[1]Porter, Alan	Rochester, N.Y.	LD sp. 107+93	635 Bryant-p
[12]Porter, Merlin Ware A.B., Stanford, 1926	Santa Cruz	Econ. 103·79+39	84 Sequoia
[1]Posgate, Robert Nelson	Vancouver, B.C.	LD 53·27+37	539 Encina-*816*
Post, Alfred B., Jr.	San José	Econ. 142+82	Al. Kap. Lamb.-*658*
[4]Post, Carolyn	Los Angeles	LD ‡	Roble
Post, Elias	Berkeley	LD 84+54	Zeta Psi-*B*
[12]Post, Hoyt Gibbard	Los Angeles	LD 59–10	250 Branner-*2011*
Post, Janet G.	San José	LD 37+71	160 Roble
[13]Post, Seraphim Fred	Berkeley	M.E. 117+144	219 Encina-*B*
Potts, F. Ernest A.B., Stanford, 1926	Los Angeles	C.E. 190+20	245 Toyon-*553*
Potts, George Hamilton	Los Angeles	LD 84+14	Alpha Sigma Phi-*553*
Poulson, Wardle Ellis	Beverley Hills	C.E. 117+12	Beta Theta Pi-*1335*
Powell, Katharine Louise	San Francisco	LD 46+12	255 Roble
[4]Powelson, Doris Irene A.B., Fresno State Teachers College, 1926	Fresno	Educ. gr.	Chiquita, Mt. View-mv

[4]Powers, Delmer Lance A.B., Oregon, 1922; A.M., Stanford, 1924	Palouse, Wash.	Educ. gr.	739 Bryant-p
Powers, Herbert W. A.B., Stanford, 1926	Pacific Grove	M.E. 189+131	204 Sequoia-*1180*
Prael, Charles Fredrick	Astoria, Ore.	LD 46+52	39 Encina-*992*
[4]Prater, Vaughan Emerson A.B., Idaho, 1924	Boise, Idaho	Span. gr.	Roble
Prather, John Roy	Los Angeles	Pol.S. 44·58+12	Phi Del.The.-*1334*
[4]Pratt, Anne Bertina	Fall Brook	Zoöl. 90·	338 Roble
Pratt, Norman U.	Belvidere, Ill.	LD 48+61	446 Encina-*2049*
Preston, Frederick Platt	Los Angeles	Econ. 87·37–14	539 Encina
Preston, John Beverly	Palo Alto	LD 46+14	62 Churchill-p
[4]Price, Edgar Heaton A.B., Drury, 1895; A.M., Yale, 1903	Long Beach	Educ. gr.	149 Cowper-p
Price, Fred V.	Long Beach	LD 126+8	Delta Kappa Eps.-*OO*
[12]Price, Henry Bertrand	Philadelphia, Pa.	C.E. 149–32	Sig. Alpha Eps.-*1305*
[12]Price, John Basye	Stanford Univ.	LD 78+31	109 Toyon-*733*
Price, Luther Glynne A.B., Stanford, 1925	Kosse, Texas	Med. gr.	S.F. Relief Home, SF-sf
Price, William Clay	Los Angeles	Law 102+23	Phi Kappa Psi-*1333*
[23]Prince, David Treadway	Carmel	LD 64–31	219 Toyon
Prince, Richard N.	Tuolumne	LD 39+12	350 Encina-*632*
[4]Prior, Leland Stanford	Palo Alto	LD 53–21	348 Guinda-p
Prior, William Wilson, Jr.	Escondido	LD 46+39	304 Encina
[3]Prisinzano, Gandolfo	San Mateo	LD 15+7	132 Branner
Prisinzano, James Edward	San Mateo	LD 98+148	132 Branner-*605*
Probasco, Barbara Sherman	Burlingame	Hist. 135+183	Del. Del. Del.-*1325*
Purcell, James C.	Represa	LD 90+69	*227* Sequoia-*2683*
Purkiss, Albert Cassius	Santa Maria	LD 41–9	137 Encina-*1757*
[12]Purnell, George Roberts	Sacramento	Engl. 161+80	*328* Union-*124*
Putnam, Albert George	San Francisco	LD 44+23	126 Encina
Putnam, William Clement	Exeter	LD 44+35	245 Encina-*2107*
[1]Pyzel, Frederick M. A.B., Stanford, 1926	Piedmont	Chem. 96·86+68	205 Union
Quarnstrom, Arthur Arvid	Sycamore, Ill.	LD 49+11	200 Encina-*712*
Quayle, Elwood LeRoy	Oakland	LD 77–5	*257* Toyon-*1045*
[1]Quayle, Ernest Harrison A.B., Stanford, 1925	Stanford Univ.	S.Biol. gr.	Lobata Lodge-*4*
Queen, Greenville Burton	Louisa, Ky.	LD 51+45	261 Hamilton-p
Queen, William Foster	Louisa, Ky.	LD 50+7	261 Hamilton-p
Quigley, John Scott A.B., Stanford, 1926	Alameda	S.Biol. gr.	Sigma Al. Eps.-*1305*
Quinn, Dorothy Margaret	Stockton	LD 91+26	Alpha Omicron Pi-*1367*
[234]Quinn, Edward Morgan	Stockton	LD 72+47	528 Encina
[23]Quinn, Emmet Aidan A.B., Stanford, 1926	Grand Junc., Colo.	Law 183+19	Phi Gam. Delta-*1324*
Quinn, Tom Brennan	Stockton	Law 163+55	Sigma Nu-*1385*
Quirmbach, Robert Paul A.B., Stanford, 1925	Needles	S.Biol. gr.	326 Union
Raab, Werner John	Los Gatos	LD 68–23	130 Branner-*2692*
Raaf, John Elbert A.B., Stanford, 1926	Pocatello, Idaho	Pre-Cl.36·156+173	252Toyon-*1468*
Rachford, Leo C.	Mountain View	LD 94+40	1005 Villa, MV-mv
[234]Radir, Paul Leininger A.B., California, 1924, A.M., 1925	Los Angeles	S. Biol. gr.	Pacific Grove-pg

Rae, James Ewing	Pasadena	LD 80+28	Phi Kappa Sig.-*1306*
[12]Raffetto, Estral Joseph	Santa Barbara	LD 94–15	Kappa Sigma-*1326*
Railey, Ida Dixon	Los Altos	LD 101+79	148 Roble-*1562*
[4]Railsback, Mildred Arloa	Los Angeles	LD	367 Everett-p
Railsback, Oscar Caleb A.B., Stanford, 1923	San Francisco	Med. gr.	2286 Jackson, SF-sf
[1]Rainey, Philip Werslav	San Francisco	LD 26–14	Phi Gam. Delta-*1324*
[4]Raisner, Wilbur W. A.B., California, 1917	Los Gatos	Educ. gr.	316 Bella Vista, LG-lg
Ramelli, Eda B.L., California, 1913; A.M., Stanford, 1926	Ventura	Span. gr.	Madroño-*908*
[5]Ramsay, Kenneth E. A.B., Bowdoin, 1915	Farmington, Maine	Law gr.	1230 Emerson-p
[1]Ramsey, Harold Thomas B.S., Missouri, 1918; A.M., Stanford, 1926	Maryville, Mo.	Educ. gr.	445 Homer-p
[5]Ramsey, William Maxwell	Yuma, Ariz.	Chem. 122–8	303 Union-*628*
[5]Randall, Velma Margaret	Los Angeles	Engl.-P.Sp.128+119	Pi B.Phi-*1332*
[1]Randolph, Ralph Baker A.B., Stanford, 1926	San Diego	Econ.96·84+22	PhiDel.Theta-*1334*
Raney, Mary Evangeline	Morgan Hill	LD 48+85	*272* Roble
Rankin, Ansil Robert	Samoa	LD 88+35	405 Sequoia
[3]Rankin, Carlisle Clark	Palo Alto	LD 70–15	Alpha Tau Omega-*1384*
Ranney, Rufus Percival	Cleveland, O.	LD 86+41	Sigma Nu-*1385*
Raoul-Duval, Richard	Paris, France	LD 12·80+20	209 Kipling
Rapp, Robert E. A.B., Stanford, 1926	Los Angeles	Pol.S. 98·89+97	132 Toyon-*1893*
Rathbone, Robert H. A.B., Stanford, 1924	Hollywood	Med. gr.	2321 Sacramento, SF-sf
Rathman, Theodore Singiser	Hollywood	LD 46+0	236 Encina-*1094*
Ratzell, Ralph Donald	San José	Econ. 90·44+28	214 Sequoia
[5]Rau, Thomas Rudolph	El Centro	Econ. 170+105	Phi Kappa Psi-*1333*
[3]Rauta, Archie Wilfred	Bakersfield	LD 14+4	445 Hamilton-p
[23]Rawlings, Stuart Lamar	Piedmont	LD 7–3	335 Encina
Ray, Charles Richard	San Mateo	LD 24·77+29	137 Branner
Ray, Frances Bowie A.B., Washington, 1916	Palo Alto	Engl. gr.	467 Melville-p
Ray, Herndon Carroll	Davis	LD 77–11	8 Dolores-*2216*
[5]Ray, James Melvin	Redwood City	Econ.90·31+23	323E.Bwstr.,RC-rc
Ray, John Wilbur	Los Angeles	LD 45+20	115 Encina-*2057*
Ray, William Alton	San Mateo	M.E. 148+60	307 Branner
Raymond, Robert	Brooklyn, N.Y.	LD 47·45+0	15 Encina-*882*
[4]Rea, Edna Spencer	Klamath Falls, Ore.	LD	327 Hamilton-p
Read, Jesse Wilmot	Tacoma, Wash.	Pre-Med.140+188	229 Bran'r-*1182*
Read, Joseph C.	Long Beach	LD 80+14	132 Toyon-*1653*
Rear, James Clark A.B., Stanford, 1924	Vancouver, B.C.	S.Bus. gr.	321 Union-*902*
[134]Reasoner, John Snivley	San Francisco	LD 80+92	Hotel Palo Alto-*2186*
Reasor, Charles Lew	Fresno	LD 47+26	406 Encina-*2691*
[4]Reddington, Hester	Holloway, Ohio	LD ‡	104 Roble
Reed, Abner Charles	San José	Econ. 90·41+21	208 Sequoia-*2208*
Reed, Charles Donald	Brooklyn, N.Y.	LD 43+10	403 Encina-*2282*
[4]Reed, Isa Dolores A.B., Nebraska, 1911, A.M., 1916	Chico	Psych. gr.	308 Middlefield-p
Reed, Robert Eugene A.B., Doane, 1917; A.M., Stanford, 1926	Palo Alto	Educ. gr.	*222* Fulton-*834*

Reeder, Anson McElree	Huntington Park	LD 46+15	120 Encina-*665*
Reeder, Lorraine Caroline	Oakdale	LD 50+82	280 Roble-*904*
Rees, Denton Jiles	Sacramento	LD 43–11	320 Encina
Rees, Edward Gwilym A.B., Stanford, 1926	Portland, Ore.	Chem. 96·89+24	314 Toyon-*973*
[4]Rees, Elinor Celyn A.B., Southern California, 1921, A.M., 1923	Monterey	Engl. gr.	567 Lincoln-p
[4]Rees, Jenkins Bennett A.B., Lombard, 1903	Palo Alto	Educ. gr.	627 Bryant-p
[23]Rees, John H.	Los Angeles	LD 30–5	331 Encina-*2162*
[5]Reeves, David Lander A.B., Stanford, 1926	SaltLakeCity,Utah	Bact. gr.	Chi Psi-*635*
[4]Reeves, Emma C.	Fort Stockton, Texas	S. Educ. ‡	341 Emerson-p
[4]Reeves, J. Floyd	Fort Stockton, Tex.	Educ. ‡	341 Emerson-p
[4]Regan, Agnes Elizabeth A.B., College of the Sacred Heart, 1924	Menlo Park	Engl. gr.	Menlo Park-mp
Rehrig, Houston	Los Angeles	LD 45+15	215 Encina
Reich, August, Jr.	Bakersfield	LD 96+50	212 Branner
[5]Reichmuth, Anton Lawrence	San Fran.	M.E. 134–3	508 Encina-*828*
[4]Reid, Clyde Carson A.B., Redlands, 1921	Reedley	Educ. gr.	446 Hamilton-p
[4]Reid, Khalula Lea B.S., California, 1916	Redwood City	Educ. gr.	Redwood City-rc
Reily, John McClintic	Patton	LD 38+5	305 Encina-*1946*
[4]Reimar, Gustav Adolph B.S., Kansas State Teachers College, 1918	Reedley	S.Biol. gr.	Pacific Grove-pg
[5]Reinhart, Philip Wingate	Houston, Tex.	Geol. 90·46+18	216 Branner
[1]Reinoehl, Donald Earl	Palo Alto	LD 68–24	1144 Fulton-p
[12]Reiss, Malcolm B. A.B., Stanford, 1926	San Francisco	Econ. 18·162+54	218 Branner-*1084*
Relph, Harold Edward A.B., Stanford, 1926	San José	Law gr.	204 Union-*2741*
[4]Rendtorff, Gertrude E.	Stanford Univ.	LD 63+37	30 Alvarado-*1302*
[4]Renfrow, Thomas Owen	Kingsburg	Educ. 135·14+8	131 Toyon-*2617*
Rensch, Hero Eugene A.B., Pomona, 1915	Palo Alto	Hist. gr.	922 P.A. Ave.-*1231*
Renzel, Ernest Henry	San José	LD 46+46	29 Encina
[1]Rettig, Fred E.	Palo Alto	LD 30+5	P.A.-Box 34B, Rt. 1, p
[13]Reynolds, Charles L., Jr.	Portland, Ore.	M.E. 132–9	Theta Delta Chi-*1828*
[5]Reynolds, Charles Nathan A.B., Oregon, 1913, A.M., 1921	Palo Alto	Soc.S. gr.	111 Tennyson-p
[1]Reynolds, Charlotte A.	Palo Alto	LD 78+58	360 Kellogg-p
Reynolds, Herbert K.	Portland, Ore.	LD 92+87	Theta Delta Chi-*1828*
Reynolds, James Eugene	Pasadena	LD 85+27	Phi Delta Theta-*1334*
[4]Reynolds, Joe A. B.S., Oregon Agricultural, 1921	La Grande, Ore.	Educ. gr.	Phi Delta Theta-*2306*
Rhine, Nathan Albert	Stanford Univ.	Law 145+50	308 Branner-*62*
Rhodes, Foster Bond	Pasadena	LD 37+28	210 Encina-*1043*
Rice, Marjorie Eastman	San Diego	LD 49+39	350 Roble-*1572*
Richards, Dowell Spencer	Long Beach	LD 25–6	125 Encina-*2006*
Richards, G. Roberta	Lodi	LD 46+26	279 Roble-*2632*
[1]Richards, John Henry A.B., Stanford, 1926	Randlett, Utah	M.E. 99·114+121	109 Branner
[23]Richards, Lawrence W.	Los Angeles	Geol. 189+7	Delta Upsilon-*1353*
[4]Richards, Lynn Stephen A.B., Brigham Young, 1925	SaltLakeCity,U.	Law gr.	244 Ramona-p

Richards, Mernon C. Long Beach LD 90+39 125 Encina
[4]Richardson, Alan Campbell Stanford Park Chem. 30·109+29 Stanford Park
Richardson, George Channing San José Pre-Med. 119·38+7 99 S. 17th, SJ-sj
Richardson, James, Jr. Monrovia LD 45+26 128 Encina-*1697*
Richardson, Bruce M. San Francisco LD 123+77 134 Toyon-*627*
Richardson, Ralph Waldo Palo Alto LD 24–22 Palo Alto-RFD 241B, p
[5]Richardson, William Hord Los Angeles Geol. 155+44 Delta Upsilon-*1353*
Richer, John Daniel Los Angeles Law gr. Alpha Tau Omega-*1384*
A.B., Stanford, 1924, J.D., 1926
Richman, Frederick Ingleby Los Angeles Law 148+155 Theta Chi-*1383*
[14]Ridley, Daniel Graves San José Law gr. 121 Toyon
A.B., Stanford, 1924
[13]Ridley, Kenneth Felton San José LD 99+68 512 Cherry, SJ-sj
[1]Ridley, Newton Robly San José LD 45+27 512 Cherry, SJ-sj
Riege, George Charles Fresno LD 60+2 227 Branner-*1139*
[3]Riese, Elmer F. Huntington Park LD 85+5 Phi Delta Theta-*1334*
Riese, Raymond Max Huntington Park Econ. 139+147 211 Union-*1591*
[4]Riggs, Dorothy Marie Fresno Engl.-P.Sp. gr. 171 Roble
A.B., Stanford, 1920, A.M., 1924
[234]Riley, Charles F. Klamath Falls, Ore. LD ‡ 25+12 407 Encina-*981*
[234]Riley, William Brand Portland, Ore. LD 30+4 408 Encina-*1282*
[5]Ring, Laurence M. Los Angeles Law 90·80+3 230 Branner-*1135*
Rinn, Robert H. Lodi Law gr. 2630 Waverley-*1292*
A.B., Stanford, 1925
[4]Rippey, William Miles Dallas, Tex. Law gr. 311 Union
A.B., Southern Methodist, 1924
[23]Ritchie, Harry Ward S. Pasadena LD 47·30+35 338 Encina-*O*
Ritland, Hubert Oliver La Mesa M.E. 195+105 25 Alvarado-*121*
A.B., Stanford, 1926
Rittenhouse, Helen Maxine Phoenix, Ariz. Engl. 135+62 Gam. Phi Beta-*1337*
Rittler, Lida Palo Alto LD 74+21 339 Seale-p
Rivero, Manuel Caracas, Venezuela LD 79+1 214 Sequoia-*1484*
Riveroll, Sheldon San Diego LD 90+43 Theta Delta Chi-*1828*
[4]Rivers, Paul Lon Reedley Educ. gr. 656 Bryant-p
B.S., Central Missouri State Teachers College, 1925
Rixford, Emmet Lane San Francisco Zoöl-Med. 186+104 ThetaChi-*1383*
A.B., Stanford, 1926
Rixford, Henry Covington San Francisco Zoöl-Med. 185+93 214 Toyon-*837*
A.B., Stanford, 1926
[4]Roark, Adah A. Stevensville, Mont. Soc.S.-Jn. ‡ 337 Kipling-p
[4]Roark, Madison L. Stevensville, Mont. Educ. gr. 337 Kipling-p
A.B., George Peabody College for Teachers, 1895; A.M., Chattanooga, 1898
Robb, David Alexander Berkeley LD 31–16 432 Encina
[1]Robbins, Sidney Horace San Francisco LD 42–24 33 Salvatierra-*2022*
[5]Robert, Henry Flood Coronado Law 124–2 Zeta Psi-*B*
[5]Roberts, Ada Jane McCleary, Wash. S.Educ. gr. 201 Roble-*1434*
A.B., Stanford, 1926
[4]Roberts, Allen H. Rupert, Idaho Educ. gr. 1128 Webster-p
A.B., State College of Washington, 1922
Roberts, Archie Marvin Los Angeles Med. gr. 2321 Sacramento, SF-sf
A.B., Southern California, 1924
Roberts, John Huber, Jr. Burlingame S.Biol. 115·101+18 4 Kingscote-*663*
A.B., Stanford, 1926
[4]Roberts, Millicent Wall Rupert, Idaho Educ. gr. 1128 Webster-p
A.B., State College of Washington, 1922

[4]Roberts, Sara A. A.B., Washington, 1921	Bellingham, Wash.	Engl. gr.	189 Cowper-p
Roberts, W. Jim	Burlingame	LD 73-10	4 Kingscote-*663*
Robertson, Alan Hazelton	Santa Monica	Law 172+86	Phi Kappa Psi-*1333*
[1]Robertson, Charles Myron	San Francisco	LD 9–16	433 Encina-*1240*
Robertson, Donald Logan A.B., Stanford, 1924	Modesto	Med. gr.	2186 California, SF-sf
Robertson, George Donville	Los Angeles	LD 72+35	Delta Upsilon-*1353*
Robertson, Jamie Logan	Visalia	LD 45–15	203 Encina-*631*
Robertson, John Butler	Morgan Hill	LD 49+24	19 Encina-*2192*
Robertson, John Wadsworth A.B., Stanford, 1926	San Francisco	Med. gr.	302 Branner
[12]Robertson, Kenneth Gregg A.B., Stanford, 1924	Menlo Heights	Psych. gr.	Menlo Heights-*952*
Robesky, Donald Albert	Bakersfield	LD 92+22	203 Toyon-*1954*
[5]Robinson, A. Alan	Fresno	LD 58·64+35	408 Sequoia-*1623*
[12]Robinson, Dwight Louis A.B., Stanford, 1926	Sapulpa, Okla.	Econ.67·113+7	PhiDel.Theta-*1334*
[4]Robinson, Elmo Arnold B.S., Massachusetts Institute of Technology, 1909	Menlo Heights	S.Educ. gr.	Menlo Heights-p
Robinson, Marjorie Hunter	Phoenix, Ariz.	LD 21·60+24	Pi Beta Phi-*1332*
Robinson, Sidney William A.B., Nevada, 1924	Reno, Nevada	Law gr.	507 Encina-*901*
[1]Roby, Richard Rush	Colorado Spgs., Colo.	E.E. 125–31	318 Union
[1]Rochex, Frank Joseph	San Mateo	C.E. 90·0+0	19 Baldwin, SM-sm
Rockefeller, Howard, Jr. A.B., Dartmouth, 1923; J.D., Stanford, 1926	Los Angeles	Law gr.	1236 College-*B*
Rode, Howard Schaeffer	Oakland	LD 63+34	216 Sequoia
[5]Rodegerdts, Carl Ernst	Sacramento	Law 148+49	Sigma Chi-*628*
[23]Roehr, G. Lowell	Hughson	LD 63+13	216 Branner
Rogers, Alfred Emery A.B., Stanford, 1926	Los Angeles	Law gr.	Delta Chi-*1304*
[4]Rogers, Frances Lillian A.B., Arizona, 1925	Long Beach	Educ. gr.	235 Emerson-*2695*
[23]Rogers, Frederick Owen	San Francisco	Chem. 90·9+2	319 Sequoia
[12]Rogers, Genevieve A.B., Stanford, 1926	Stanford Univ.	Engl. gr.	15 Salvatierra-*87*
[4]Rogers, Gordon Farrand	Long Beach	C.E. ‡	235 Emerson-*2695*
Rogers, John Baxter, Jr.	Los Angeles	LD 34·49+45	222 Encina-*841*
Rogers, John Millard	Los Angeles	LD 45+10	432 Encina-*505*
Rogers, John Rankin	San José	LD 45–14	422 Encina-*114*
Rogers, Kenneth Alfred	Winnipeg, Can.	M.E. 115·44+23	Kappa Alpha
Rogers, Lee Hershey A.B., Stanford, 1926	Stanford Univ.	Min. 180+6	114 Encina-*538*
[2]Rolley, Leslie E.	Mayfield	M.E. sp. 189+16	Mayfield
Romanofski, Anton	San Bruno	LD 98+38	San Bruno-Box 52, sb
[14]Romer, Andrew Ralph A.B., Emporia, 1916; A.M., Stanford, 1926	Oakland	Educ. gr.	406 Ramona-p
Rood, Reginald Shepard	San Diego	LD 138+208	Pacific Grove-pg
Roodhouse, Edwin Greenlee A.B., Stanford, 1926	Alhambra	Econ. 180+49	Sigma Chi-*628*
[5]Root, Enid Doris	San Francisco	Educ. 37·128+1	240 Roble-*1199*
[1]Root, Herbert B.	Wasco	LD 51–27	125 Branner
Root, Louis	New York, N.Y.	LD 90+65	508 Encina-*828*
[23]Ropes, Richard W.	Woodlake	LD 99–10	19 Toyon-*693*

Rorden, Harold Louis A.B., Stanford, 1925, Engineer, 1926	Petaluma	E.E. gr.	305 Sequoia-*1062*
Rosasco, John Loring	Healdsburg	LD 52·81+43	119 Toyon-*2744*
[23]Roscoe, John Philip	Upper Mattole	LD 73+97	316 Sequoia
Rose, Alice Madeline	Newman	LD 18·64+117	149 Roble
Rose, Ralph Stanley	Newman	LD 44+16	410 Encina
[13]Rosenbaum, Charles W.	San Francisco	Hist. 179+10	214 Branner-*1160*
Ross, Alexander Treloar	Honolulu, T.H.	LD 91+2	133 Branner-*1855*
[12]Ross, Arthur A. A.B., Stanford, 1926	Kuna, Idaho	Econ. 9·178+18	131 Branner-*978*
Ross, Chester Erwin A.B., Stanford, 1926	Gilroy	Law 183+86	250 Toyon-*I*
Ross, Dudley Tyng	Palo Alto	LD 45·110+93	211 Melville-p
[1]Ross, Gordon M. A.B., Stanford, 1926	Stanford Univ.	Econ. 7·175+43	129 Branner-*978*
Ross, Howard Delos	San José	LD 90+103	1162 Sherman, SJ-sj
[4]Ross, Isabel	Nevada City	LD ‡	Roble
[12]Ross, John Rolley A.B., Nevada, 1923; J.D., Stanford, 1926	Yerington, Nev.	Law gr.	Union-*1227*
[23]Ross, John William	Corte Madera	LD 87+26	Pacific Grove-pg
[12]Rossarini, Edith Y. A.B., Stanford, 1926	Truckee	Fr. 3·179+198	Del.Del.Del.-*1325*
[4]Roth, Fred J.	Sacramento	Pre-Med. ‡	222 Toyon-*2606*
Rothrock, Frank Wallace	Spokane, Wash.	Econ. 46·77–1	Sigma Nu-*1385*
[12]Rounsefell, George Armytage A.B., Stanford, 1926	Palo Alto	Zoöl. 69·111+86	244 Tennyson
[3]Rouse, Gaylor	Riverside	LD 57–14	21 Toyon-*1248*
[1]Rowell, Milo Edwin A.B., Stanford, 1924, J.D., 1926	Palo Alto	Law gr.	571 Hamilton
Rowland, Homer H.	Santa Monica	Zoöl. 138+56	210 Branner-*950*
Rowland, Robert Russell	Santa Monica	Zoöl. 149+65	210 Branner-*950*
[13]Rowland, Wilbur H.	Orland	LD 62+62	129 Emerson
Rowles, Edward B.	Idaho Falls, Idaho	Econ. 135+33	Delta Chi-*1304*
[5]Rowles, Fillmore	Mountain View	Hist. 170+45	Phi Sigma Kap.-*538*
Ruddy, Lorenz Weir A.B., Stanford, 1925	Los Angeles	Med. gr.	849 Divisadero, SF-sf
[234]Rudé, Jack	San Francisco	LD 28+14	201 Encina-*1652*
[1]Rudolph, Bert Alexander B.S., California, 1914, M.S., 1915	San José	Bot. gr.	36 E. San Antonio, SJ-sj
Ruling, Ferdinand Charles	Menlo Park	LD 46–9	Menlo Park-mp
[5]Rulon, Phillip Justin	Stanford Univ.	Educ. 108·61+61	306 Sequoia-*991*
Rumwell, Arnold	San Francisco	LD 114+9	Alpha Sigma Phi-*1357*
[23]Rumwell, Reginald	San Francisco	LD 23–3	Encina-*2059*
[12]Rupe, Luther Muir	Willits	LD 53–7	521 Encina
Ruppé, Donald E.	Los Angeles	LD 92+29	20 Sequoia
[1]Rush, Tom R.	Bakersfield	LD 35+2	21 Toyon
[23]Russ, Fred Mills	San Francisco	LD 28+8	126 Encina
Russell, Anne Johanna	Price, Utah	LD 91+120	176 Roble-*2812*
Russell, Eugene S.	Auburn	LD 94+43	136 Toyon-*915*
Russell, Heithier Bell	San Francisco	LD 45+31	124 Encina
[1]Russell, Jeanne A.B., Vassar, 1924; A.M., Stanford, 1926	Palo Alto	Geol. gr.	351 Middlefield-p
Russell, Wilbur David	LaVerne	Educ. 90·45+13	1146 Waverley-p
Rust, D. Jordan	Kanab, Utah	Econ. 84·50+15	562 Encina-*2631*
Rust, Frederick Earnest	Los Angeles	LD 83+21	29 Kingscote-*1205*

Ruth, Harold M.	Huntington Park	Med. gr.	155 Alma-p
A.B., Southern California, 1924			
[5]Ryan, Allen Lewis	Cincinnati, Ohio	Zoöl. 21·72+34	306 Sequoia-*2732*
[4]Ryan, Elizabeth Lunney	Sacramento	LD 5–3	Roble-*2316*
[4]Ryan, Frederick Lynne	Denair	Econ. gr.	1360 College, M-m
B.S., Tufts, 1916			
[23]Rytand, David Abramson	San Francisco	LD 31+36	348 Encina-*2106*
Sadler, Ruby Josephine	Palo Alto	Soc.S.-Jn. 37·73+44	332 Forest-p
Sagal, Leo Aaron	Los Angeles	Econ. 95·58+19	*226* Encina-*1173*
Saier, Milton Herman	Fresno	Med. gr.	*2323* Sacramento, SF-sf
A.B., Stanford, 1924			
Salandra, Dominic	Portland, Ore.	Hist. gr.	7 Cabrillo
A.B., Reed, 1923			
Salisian, Samuel Edward	Pasadena	LD ‡ 50–3	140 Branner-*2232*
Salsman, Byrl	Needles	LD 90+48	Delta Chi-*1304*
[4]Salzmann, Ernesto	Spokane, Wash.	Span.gr.	733Fairfield,Burl'game-b
A.B., State College of Washington, 1914			
Sanborn, Carrol M.	Upper Lake	LD 43+20	415 Encina-*605*
[1]Sanborn, Elwell A.	Upper Lake	LD 10–17	Univ. and Middlefield-p
[1]Sanders, Gerard G.	Menlo Heights	Law gr.	Menlo Hts.-Box 688, p
A.B., Stanford, 1923, J.D., 1926			
[23]Sanders, John Forrest	Saratoga	LD 142+41	Saratoga-s
Sanders, Rollin R.	Winters	Pre-Med.98·43+27	529Channing-p
Sanders, William	Los Angeles	LD 91+82	Phi Kappa Sigma-*1306*
[5]Sandwick, Richard F.	Highland Park, Ill.	Bact. 115+48	Chi Psi-*1648*
[5]Sandys, Edward English	Los Angeles	S.Educ. gr.	Delta Chi-*1304*
A.B., Stanford, 1926			
Sanford, Frances Geraldine	Burlingame	LD 49+62	*223* Roble-*2574*
Sanguinetti, Melvin Stephen	Lodi	S.Bus. gr.	310 Sequoia-*1159*
A.B., Stanford, 1925			
Sano, John Hiroshi	San Francisco	LD 94+0	Japanese Club-*598*
[12]Sano, Joseph Yuzuru	San Francisco	E.E. 158–20	Japanese Club-*598*
Sapero, James Joseph	Denver, Colo.	LD 98+78	Phi Kappa Psi-*1333*
[5]Sapero, Kalmen Yokum	Denver, Colo.	Law gr.	207 Union-*1855*
A.B., Stanford, 1923			
[4]Sapiro, Nathan Aurom	Stockton	LD ‡	Sigma Alpha Epsilon
[12]Saroyan, Suren M.	Fresno	Law 90·67+12	504 Encina-*1060*
[3]Satoh, Yoshio	Stanford Univ.	E.E. gr.	559 Cowper-p
B.Eng., Tokyo Imperial University, 1922			
[5]Sattgast, Charles Richard	Mayfield	Educ. gr.	Matadero
B.S., Illinois, 1923			
[12]Sauer, Fred C.	Reedley	Econ.25·155+183	19 Alvarado-*512*
A.B., Stanford, 1926			
Sauliere, Frank René	San José	LD 33+15	207 Encina
Saunders, Gilbert B.	Bay City, Mich.	Econ. 108·45+10	302 Sequoia-*523*
[4]Saunders, Reginald Floyer	Mt. View	Educ. gr.	513 Bush-mv
A.B., California, 1921			
[1]Sausen, Wilbur A.	Corvallis, Ore.	LD 0–14	223 Encina-*1277*
[12]Savage, Philip M., Jr.	San Bernardino	LD 26–22	245 Encina-*66*
[13]Sawe, Elizabeth B.	Santa Barbara	LD 16·61+78	167 Roble-*1267*
Sawyer, Frank Orville	Los Angeles	Econ. 158+26	Theta Chi-*1383*
Saxon, Muriel D.	San Francisco	Hist. 180+85	Gam. Phi Beta-*1337*
A.B., Stanford, 1926			
Say, Luther Kenneth	Fresno	LD 21·60–4	Theta Delta Chi-*1828*
Sayles, Lesda Elizabeth	Newark	Ed.G.A. 90·94+72	147 Roble
A.B., Stanford, 1926			

Sayre, George Maxwell	Ardmore, Okla.	LD 119–4	140 Toyon
[4]Scanlon, Leola V.	San Mateo	LD ‡ 17+13	115 12th, SM-sm
[2]Schacht, John Henry	Sacramento	LD 74+58	Phi Delta Theta
Schaefers, George F.	Eugene, Ore.	Econ.82·31+31	Phi Del. The.-*1334*
[234]Schall, Myron Reed	Monte Vista, Colo.	Econ. 121+42	147 Emerson-p
Schanck, Isabel Anna	Portland, Ore.	Soc.S.-Jn.85·90+54	Del.Gam.-*1366*
Schaufelberger, Margaret	Mission Beach	Hist. 147+129	Chi Omega-*1386*
[12]Scheidecker, Albert F.	Sebastopol	Law 180+105	207 Branner-*21*
A.B., Stanford, 1926			
Scherer, Herman Carlyn	Palo Alto	LD 124+47	551 Lytton-p
[12]Schiesswohl, Harold John	Chicago, Ill.	S.Bus. gr.	322 Union
B.S., Harvard, 1923			
Schilder, Arthur Joseph	Santa Paula	LD 40+0	601 Melville-p
[5]Schilling, Dorothy Cecelia	Palo Alto	Engl. gr.	705 University-p
A.B., Stanford, 1921, A.M., 1925			
[4]Schlipp, Paul Arthur	Stockton	Phil. gr.	327 Union
A.M., Northwestern, 1922			
[5]Schink, Clifford Ernest	Dawson, Y.T.	Econ. 170+266	205 Sequoia-*555*
[5]Schirm, John Stephen	Los Angeles	Geol. 92·47+30	Phi Del. The.-*1334*
[4]Schlein, Walter Charles	Fresno	Educ. 120·45+31	578 S. 15th, SJ
[4]Schleppegrell, Adolphine	Melstone,Mont.	Educ. gr.	100 Roble
A.B., Montana, 1923			
Schmaelzle, Otto I.	Charleston, Ill.	Educ. gr.	205 Union-*30*
B.S., Illinois, 1920; A.M., Stanford, 1926			
[5]Schneider, Derril Wildanger	Sacramento	Zoöl. gr.	Pacific Grove-pg
A.B., Stanford, 1926			
[4]Schock, Pearl	McGill, Nev.	Ed.G.A. ‡ 5+2	260 Roble
[12]Schoen, Arthur Castle	Hawaii	Econ. 200+121	240 Toyon-*1243*
A.B., Stanford, 1926			
[5]Schoenheit, Helen Mar	Cupertino	Hist. gr.	Roble-*944*
A.B., Stanford, 1926			
Schomaker, Theodore P.	San Francisco	Med. gr.	501 Broderick, SF-sf
A.B., Stanford, 1925			
[4]Schray, Emma	Fresno	S.Educ. gr.	18 Alvarado
A.B., Fresno State Teachers College, 1924			
[3]Schuck, Victoria	Los Angeles	LD	118 Roble
Schuettauff, Henry William	Chicago, Ill.	Econ. 85·39–5	360 Bryant-*1842*
[5]Schulz, Carl Robert	San Francisco	Law gr.	305 Union-*2704*
A.B., Stanford, 1926			
[4]Schumacher, Marion Ruth	Baldwin Park	LD ‡	302 Roble
[1]Schwartz, Eva D.	San Mateo	Anat. gr.	741 Costa Rica, SM-sm
A.B., Stanford, 1925			
Schwartz, Leonard Kelsey	San Francisco	Law 129+65	Zeta Psi-*B*
[1]Schwartz, William L.	Stanford Univ.	Fr. gr.	450 Harvard,Col.Ter.-*572*
A.B., Ohio Wesleyan, 1910; A.M., Stanford, 1920, Ph.D., 1926			
Scofield, Eugene C.	Palo Alto	LD 114+71	430 Kingsley-p
Scott, Charles Craven	Twin Falls, Idaho	Hist. 143+158	Kappa Sig.-*1326*
[4]Scott, Elizabeth Greig	The Dalles, Ore.	Educ. gr.	351 Roble
A.B., Upper Iowa, 1916			
[4]Scott, Esther Anna	Santa Clara	LD 70·34+38	1597 Harrison,SC-sc
[4]Scott, Frances E.	Alhambra	Educ. gr.	Roble
A.B., California, 1922			
Scott, John Madison	Yuba City	LD 51+10	448 Encina-*2622*
Scotten, Arthur Fleming	Pasadena	LD 45+90	336 Encina-*564*
[4]Scribner, George Harold	Sacramento	Econ. ‡	214 Toyon-*2346*
[12]Scribner, Thornton Seron	Monticello	Min. 175+73	226 Toyon

Scudder, Joseph B.	Trenton, N.J.	Law 157+115	557 Hamilton-p
[23]Seale, Marion	Palo Alto	Econ. 20+11	537 Coleridge-p
Seaman, Wareham Clark	Escalon	LD 46+37	329 Encina
[23]Sears, Maynard Joseph	Jamieson, Ore.	LD 109–4	Theta Chi-*1383*
Sears, Robert Richardson	Palo Alto	LD 44+27	1120 Parkinson-*1176*
[4]Seely, Bertha Reid	Los Gatos	LD ‡	Redwood City-rc
[4]Segel, Naomi E. C.	Long Beach	Educ. 119·15+18	832 Kipling-p
[4]Seib, Norma	Hollywood	LD sp.	Phi Gamma Delta-*1169*
[23]Seibert, Olga Luella	Long Beach	Span. 117+57	Alpha Om. Pi-*1367*
[234]Seki, Kyoichiro	Ibaraki, Japan	Econ. 135·31+0	Japanese Club-*598*
[12]Self, Lynn W.	Pueblo, Colo.	LD 25+4	235 Encina-*1673*
Selig, Philip, Jr. A.B., Stanford, 1926	San Francisco	Law 185+262	325 Union-*1192*
Sell, Marshall E.	Anaheim	Econ. 40·60–11	215 Toyon-*1258*
Selle, Wilbur A. A.B., Occidental, 1925; A.M., Stanford, 1926	Stanford Univ.	Zoöl. gr.	560 Encina-*2029*
[3]Sellman, Roland	San Francisco	LD 10+0	Encina
[4]Semenza, Nevada Burnadette A.B., Nevada, 1924	Reno, Nev.	Educ. gr.	378 Roble
Senior, Raymond T. A.B., Stanford, 1925	Salt Lake City, U.	Law gr.	310 Sequoia-*1118*
[5]Sera, Morio	Waipahu, Hawaii	Econ. 166+91	248 Jackson, SJ-sj
[4]Sether, Ruth Pett A.B., Olivet, 1915	Medford, Ore.	Engl. gr.	147 Emerson-p
[4]Sether, Victor Christian A.B., University of Oregon, 1921	Medford, Ore.	Educ. gr.	147 Emerson-p
[4]Severance, Luada Eleanor A.B., Wisconsin, 1923	Wichita, Kans.	Span. gr.	401 Lytton-p
Severance, Otis Chase B.S., Dartmouth, 1921	Danvers, Mass.	Math. gr.	10 Union-*1238*
[4]Seward, Raymond S. B.S., Pomona, 1912; A.M., California, 1921	Berkeley	Phys. gr.	314 Toyon-*2285*
Sewell, Herbert Allan A.B., Stanford, 1926	Elko, Nev.	Econ. 183+64	211 Toyon-*982*
Sexson, Paul Alexander	Phoenix, Ariz.	LD 36+6	352 Encina-*1691*
Seymour, Russell Irving	Pittsburg, Kans.	LD 49·41–16	40 Encina
[4]Shah, Aurang	Peshawar, India	Chem. 60–40	Encina
Shallenberger, Gordon P.	Los Angeles	LD 92+57	314 Toyon-*2031*
[234]Shambaugh, Charles Gilbert A.B., Earlham, 1917	Palo Alto	Educ. gr.	741 Homer-p
[24]Shambaugh, Olive L. A.B., Oregon, 1926	Palo Alto	Educ. gr.	741 Homer-p
Shannon, Lyle Eldon	Santa Cruz	LD 34–8	344 Encina-*1752*
Shannon, Milam J.	Parlier	Econ. 77·59–9	200 Encina-*1468*
Shapovalov, Leo	Riverside	LD 52+77	202 Encina-*1323*
Sharp, James G. A.B., Stanford, 1926	Palo Alto	E.E. gr.	Zeta Psi-*B*
Sharp, John Chester A.B., Stanford, 1926	Stanford Univ.	Pre-Clin. 11·194+130	Th.Chi-*1383*
Shattuck, John George	Palo Alto	C.E. 96+46	175 University-p
Shattuck, Spenser Sidney	Bisbee, Ariz.	Econ. 140+123	320 Guinda-p
Shaull, Ethel Mae A.B., Stanford, 1924	Los Angeles	Med. gr.	Manzanita-*676*
Shaw, Edward S.	Palo Alto	LD 47+70	33 Encina Ave.-p
Shaw, Louis de Haven	Boise, Idaho	LD 44+2	444 Encina-*1876*

Shaw, Philip M. Palo Alto LD 46+8 555 Kellogg Ave.-p
[234]Shaw, Tsen Hwang Hangchow, China Zoöl. gr. Pacific Grove-pg
B.S., National Southwestern, 1923
Shaw, William Thomas Pullman, Wash. Zoöl. gr. 29 Salvatierra-*2555*
B.S., Minnesota, 1899; M.S., Michigan Agricultural, 1901; Ph.D., Stanford, 1926
Shea, M. Katharine San Francisco LD 53·23+30 *209* Roble-*2644*
Shedd, Bertha Labaree San José Med. gr. 2186 California, SF-sf
A.B., Stanford, 1925
[2]Shedd, Harold Layton Shedd, Ore. Engl. gr. 5 Salvatierra-*1888*
A.B., Albany, 1924
Shedd, Louise Dawes San José S.Biol. 109+187 Pacific Grove-pg
[2]Sheets, Howard A. Los Angeles LD 63–11 Delta Tau Delta-*1363*
Sheffer, Mary Dora Orange Chem. 90·46+75 *276* Roble-*897*
[4]Sheffield, Carlton A. Long Beach Engl. gr. 212 Oregon-p
A.B., Stanford, 1923
[1]Sheffield, Eugene S. Garden City, N.Y. LD 51–18 525 Channing-*1901*
[5]Shepard, Allen Denver, Colo. LD 8·48+51 *237* Encina-*1614*
Shepard, Carolyn Visalia LD 90+55 *205* Roble-*1421*
Shepherd, Frances Elizabeth Yorba Linda S.Educ. gr. 5 Manzanita-*726*
A.B., Stanford, 1925
Shepherd, Nellie Louise Yorba Linda Hist. 146+214 162 Roble-*726*
Sheppard, Ralph Wyman Boise, Idaho LD 33·57+21 Chi Psi-*1648*
[5]Sherman, Newton Merritt Pasadena Pol.S. 59·103+83 134 Branner-*857*
Shermund, Ralph Conrad San Francisco Bact. 182+16 Kappa Alpha-*1356*
A.B., Stanford, 1926
[12]Sherrard, Jack Caddy Los Angeles LD 53–20 *29* Kingscote
[12]Sherrill, Frederick Orlo Riverdale Econ. 187+18 231 Union-*862*
A.B., Stanford, 1926
[5]Sherrill, Gilbert Oren Riverdale Geol. 191+82 258 Toyon-*862*
[1]Sherwood, Frank T. Palo Alto LD sp. 62+25 Menlo Hts.-*1646*
[5]Shih, Huang China Hist. gr. Chinese Club-*2524*
A.B., Stanford, 1926
Shih, Tso China Econ. 90·37+1 Chinese Club-*1194*
Shima, Togo Berkeley LD 139+97 110 Toyon-*1672*
[12]Shinn, Henry Arthur Manhattan, Kans. Law gr. 759 Webster
A.B., Kansas, 1916; J.D., Stanford, 1926
[1]Shinn, Joseph C., Jr. Niles Econ. 104·16+9 1527 Waverley-p
[1]Shinner, William S. Glendale LD 60–15 Sigma Chi-*628*
[1]Shipkey, Harry H. Fullerton Econ. 180+61 Kappa Sigma-*1326*
A.B., Stanford, 1926
Shipkey, Ted Edwin Fullerton Econ. 138+43 Kappa Sigma-*1326*
[12]Shippy, Frank Alfred Palo Alto Hist. 25·118+46 910 Ramona-p
[4]Shirey, Raymond William Long Beach Educ. gr. Toyon
A.B., Nebraska, 1914
[4]Shirrell, Elmer Lacey Tucson, Ariz. Pol.S. gr. 115 Alma-p
B.L., California, 1914, A.M., 1925
[3]Shively, Betty Theresa Portland, Ore. LD 14–2 159 Roble-*2364*
Shlaudeman, Frank H. San Dimas LD 129–6 Delta Kappa Eps.-*O*
Shoenhair, Theodore Kinne Los Angeles Law 138+20 DeltaKappaEps.-*OO*
[4]Shoesmith, Earl Byron Chico LD ‡ 16+6 135 Toyon
[14]Sholes, Arlan E. Long Beach Econ. 6·98–15 334 Byron-p
Shortridge, John G. Menlo Park LD 37+3 Menlo Park-mp
Shoup, Jack Wilson Los Altos LD 100+88 Phi Delta Theta-*1334*
Shoup, Louise Los Altos LD 46+34 384 Roble-*917*

Shumaker, Phil William A.B., Stanford, 1926	Los Angeles	Pre-Cl. 197+196	Sig.Al.Eps.-*1305*
Sias, Azariah Boody Ph.B., Rochester, 1903, A.M., 1922	Rochester, N.Y.	Educ. gr.	136 Harriet-*1165*
Sibbett, Edward H.	Berkeley	LD 48+44	136 Encina
Sibbett, Ewing	Berkeley	Law 150+144	Zeta Psi-*B*
[4]Siegfried, Victor	Palo Alto	LD	310 Waverley-p
[12]Siemon, James Elerick	Hinkley	Hist. 100+21	515 Lytton-p
Siemons, John	Grand Rapids, Mich.	Econ. 80+8	110 Toyon-*1001*
[2]Sievers, John Paul A.B., Stanford, 1926	La Habra	Law 187+58	513 Encina-*1855*
Sievers, Ruth Esther	Everett, Wash.	Span. 138+200	Sigma Kap.-*1327*
Silliman, Ruth Elizabeth	Palo Alto	LD 46+59	378 Roble
Silverman, Henry Edward	Los Angeles	LD 86+4	1001 Ramona-p
Silvestri, Joseph Paul	San Francisco	LD 44+17	336 Encina-*2195*
Silvius, Herbert A.B., Stanford, 1926	Sacramento	Law 184+71	248 Toyon-*1178*
[4]Simmonds, Marjorie	Los Angeles	Phil. ‡	379 Roble-*1336*
[1]Simmons, Burt O.	Los Angeles	LD ‡ 43–30	Delta Upsilon-*1353*
Simmons, Sam Leighton	Mayfield	LD 82–7	Amherst-*613*
[23]Simon, Benjamin A.B., Stanford, 1925	Washington, D.C.	Chem. gr.	108 Sequoia-*2324*
[5]Simon, Charles Joseph A.B., Stanford, 1926	CedarRapids,Iowa	Law gr.	500 Encina-*1852*
Simon, Edwin J.	San Francisco	LD 46+34	309 Encina-*1236*
Simon, Milton	Dallas, Tex.	LD 71+23	112 Branner-*1864*
Simpson, Roger G.	Berkeley	LD 32–7	136 Encina
Sims, Robert Floyd	Long Beach	LD 62+33	Delta Kappa Eps.-*OO*
[23]Sims, Thomas L.	Fresno	Econ. 90·18–19	206 Sequoia-*1296*
Singer, John H.	Lincoln	LD 43+5	287 Encina-*2624*
Singer, Louis	New York City	Law 130+45	649 Lytton-p
[4]Sinnott, Helen Aloyse	Palo Alto	LD ‡	535 Kingsley-p
[12]Sisk, Raymond Raphael	San Francisco	LD 11+7	119 Encina
Skelton, Harris R.	Red Bluff	LD 41+13	120 Encina-*990*
Skilling, Hugh Hildreth A.B., Stanford, 1926	San Diego	M.E. 90·95+127	203 Union-*1723*
Skilling,Leonard E. A.B., Stanford, 1926	Colorado Spgs., Colo.	Pre-Clin. 135·50+9	643 High-p
[34]Skinner, Clifton Ross	Portland, Ore.	LD 15+4	303 Encina-*2474*
Skow, Royce Kenneth	San José	LD 42+38	42 Encina-*2042*
[234]Slater, Donald Coulter	Columbus, Ohio	Econ. 3·74+21	Delta Chi-*1304*
[4]Slater, Kenneth Norton	MountainView	Educ.73·99+106	356Bush,MV-mv
Slater, V. Giddings	Culver City	Pre-Med.94·46+19	345Col'rge-*1291*
[13]Slawson, Harrison S.	Sacramento	LD 16–5	123 Encina
Sleeper, Henry A.	Sacramento	Econ. 90·55+14	406 Sequoia-*972*
[23]Sloss, Frank Hecht	San Francisco	LD 29+58	450 Encina-*2764*
[12]Slosson, Albert Edward	Palo Alto	Mil.S. 112–21	786 PaloAltoAve.-p
Small, Francis McCauley	Hollywood	LD 44+44	330 Encina-*551*
[12]Small, Phil Lucian	Fellows	Psych. 88·15–10	557 Encina-*1431*
Smalling, Charles Otto	Templeton	LD 34–14	323 Encina
[4]Smiley, Ethel May A.B., Indiana, 1915	Boulder, Colo.	Educ. gr.	269 Roble
[23]Smissaert, Gilbert Flagler	San Francisco	LD 48–6	Kappa Alpha-*1356*
[4]Smith, A. Haven A.B., Dickinson, 1904	Palo Alto	Educ. gr.	332 Forest-p

Smith, Aubrey Garrison A.B., Oregon, 1925	Medford, Ore.	Educ. gr.	Menlo School-*920*
Smith, Charles Edward	Sacramento	Pre-Med. 90·50+80	ThetaChi-*1383*
[23]Smith, Clair Curtis	Vancouver, B.C.	Law 128+23	Phi Sig. Kappa-*538*
Smith, Clyde James, Jr.	Los Angeles	LD 84+39	Theta Xi-*1355*
Smith, Colin Hubbard	Los Angeles	LD 49·43+0	428 Encina-*597*
Smith, Dan Throop	Stanford Univ.	LD 99+158	249 Branner-*1195*
[3]Smith, Dana K.	Palo Alto	LD 9+0	Cardinal Hotel-p
Smith, Dixon Hinshaw	Sacramento	LD 83+3	Delta Tau Delta-*827*
[4]Smith, Dorothea Katherine A.B., Pomona, 1924	Santa Ana	Engl. gr.	361 Roble
Smith, Edward Anderson	Palo Alto	LD 133+66	330 Palo Alto Ave.-p
Smith, Edward D.	Salt Lake City, U.	C.E. 97·38–9	555 Encina-*2224*
Smith, Edwin Harvey	San Francisco	LD 50+88	327 Encina
[12]Smith, Everett Russell	Los Angeles	LD 51–48	Hotel Alexandria-p
[34]Smith, Frank Barton B.S., Missouri, 1912	Biggs	Educ. gr.	Toyon
Smith, Freid Lynn	Marysville	LD 86+7	24 Branner-*1466*
[5]Smith, George Keil A.B., Stanford, 1925	Vallejo	Law gr.	513 Encina-*1855*
Smith, G. Forrest	Santa Cruz	LD 18–19	27 Encina-*2333*
[12]Smith, Griffin	Palo Alto	LD sp. 8–4	544 Tennyson-p
[4]Smith, Harlan Clinton A.B., Stanford, 1897	Santa Cruz	Educ. gr.	Los Altos
[3]Smith, Hebard Payson	Berkeley	LD 14+8	349 Encina
Smith, Helen Agatha	Portland, Ore.	LD 47+76	361 Roble
Smith, Herbert Arthur	Oakland	LD 77+52	18 Branner
[12]Smith, Herbert F.	Stanford Univ.	Bot. 56·93+32	130 Branner-*1667*
[4]Smith, Hilda Emmeline A.B., Pittsburgh, 1919	Munhall, Pa.	Hist. gr.	369 Roble
[13]Smith, Howard Carlisle A.B., Stanford, 1926	Palo Alto	E.E. gr.	1335 Cowper-p
Smith, Irving Levere	Santa Cruz	Econ. 126+70	242 Toyon-*83*
Smith, Jerome Frost	San Diego	LD 42–6	305 Encina-*534*
Smith, Joe Purser B.S., Louisiana, 1924	Shreveport, La.	Geol. gr.	Kappa Alpha-*1356*
[4]Smith, John Lyman A.B., Utah, 1919	Oakley, Idaho	Hist. gr.	627 Bryant-*2615*
Smith, Joseph Odell	Los Angeles	LD 93+42	Delta Chi-*1304*
[4]Smith, Lewis Nelson	Palo Alto	LD	800 Cowper-p
[4]Smith, Lillie-Mai	Stockton	Educ. ‡	Roble
Smith, Lloyd Melvin	Los Angeles	LD 51+57	330 Encina-*542*
Smith, Maurice Lemuel B.S., Columbia, 1919, A.M., 1925	Emporia, Kans.	Educ. gr.	424 Seneca-p
[1]Smith, Philip C.	Fresno	LD 38·0–15	105 Encina-*882*
Smith, Ross William	New York, N.Y.	LD 66–19	Phi Kappa Psi-*1333*
[23]Smith, Roy Murray	Berkeley	LD 37–1	656 Bryant-p
[12]Smith, Seymour Purdon	Pacific Grove	Zoöl. 162+144	122 Toyon-*811*
Smith, Stacy H., Jr.	Pasadena	Law 137+175	260 Toyon-*1021*
[5]Smith, W. Corell A.B., Stanford, 1926	Acampo	Chem. gr.	512 Lytton-*801*
[5]Smith, Wayne M.	Pasadena	Geol. 155+17	Zeta Psi-*B*
[4]Smith, Weir Gailey	Stratford	S.Educ. ‡ 18+15	444 Florence-p
Smith, Wells A.B., Colorado, 1920, A.M., 1921	San José	Educ. gr.	54 N. 11th, SJ-*2060*

[5]Smyth, Howard McGaw A.B., Reed, 1923	Portland, Ore.	Hist. gr.	305 Union-*1468*
Sneider, Lucille Grace	San Mateo	Span. 68·64+54	236 Roble-*2521*
[124]Snell, J. Hall A.B., Stanford, 1925	Browns Valley	Law gr.	305 Union
Snidow, Houston Alfred	La Verne	LD 51–*22*	228 Branner-*556*
[1]Snitjer, William C.	Stanford Univ.	LD 13·90+31	Sigma Nu-*1385*
Snook, Edward Andrew	Hood	Pre-Med. 133+68	Sigma Chi-*628*
Snow, Byron R. A.B., Stanford, 1926	Palo Alto	Educ. 83·100+38	1159 Fulton-p
Snow, Jack Wynford	Santa Ana	Min. 141+77	120 Toyon-*1764*
Snyde, Fred Wright	Lodi	LD 89+3	Phi Delta Theta-*1334*
[12]Snyder, Evelyn Hamilton	Stanford Univ.	LD 68+26	8 Alvarado-*106*
[1]Snyder, Harry L.	Palo Alto	LD 103–40	635 Lowell-p
Snyder, John Calvert	Jackson	LD 46+72	206 Encina-*2141*
Snyder, Llewellyn Edwin	San José	Econ. 90·39+8	208 Sequoia-*2171*
Snyder, Loilor	San Diego	Chem. 90·49+59	215 Sequoia-*2444*
Snyder, Robert Jerome	Palo Alto	Econ. 90·50–11	635 Lowell-p
[4]Snyder, Solomon Sidney	Bastrop, La.	Chem. ‡	304 Union-*2237*
Snyder, W. Gilman	Jackson	LD 78–*26*	Sequoia
Soares, Edward J.	San Francisco	LD 36+9	119 Encina-*1947*
Sobieski, John Gilhousen	Los Angeles	LD 80+84	SigmaAlphaEps.-*1305*
[4]Soderstrom, Edwin M.	Medford, Ore.	Pre-Med. 43+44	Pacific Grove-pg
[234]Sohler, Frank E., Jr.	Healdsburg	LD 51–*25*	138 Branner-*1983*
Sohlinger, Alice	Los Angeles	LD 90+26	Al. Omicron Pi-*1367*
Sollars, Maxine E. A.B., Stanford, 1926	Woodbridge	Pol.S. 23·157+123	Al.Om.Pi-*1437*
[134]Solomon, Fred F.	Venice	Econ. 160+2	Zeta Psi-*B*
[23]Soltan, Malcolm Brighton	SanFrancisco	LD *22–9*	333 Encina
Somers, Melvin R. A.B., Stanford, 1923	Hollywood	Med. gr.	2436 Clay, SF-sf
Somerville, Marshall	Twin Falls, Idaho	LD 92+35	246 Toyon-*2391*
Sommer, Herbert Lemle A.B., Stanford, 1926	San Francisco	Law 184+167	139 Branner-*2177*
[1]Somner, Frank G.	Bishop	Econ. 95–5	545 Encina
Sooy, Neal Edgar	Glendale	LD 51–28	114 Branner
[23]Southworth, Harry Fox	Prescott, Ariz.	Pre-Med.87–18	KappaSigma-*1326*
Spalding, Edward P.	San Francisco	LD 21–*22*	229 Encina-*1814*
[1]Spangler, Raymond L. A.B., Stanford, 1926	San Francisco	Soc.S.-Jn.181+131	123 Toyon-*1058*
[4]Sparks, Benton Knight	Carmel	LD	225 Toyon
[1]Sparling, Edward James A.B., Stanford, 1921	Hollister	Educ. gr.	Alpha Delta Phi-*J*
Sparling, William Alexander	Hollister	LD 47+23	334 Encina-*1984*
Spaulding, Jean Benedict	San Bernardino	LD 98+91	316 Roble
Speer, John Stockton	Pasadena	LD 76–4	Phi Kappa Psi-*1333*
[5]Speers, Frederic Warden	Denver, Colo.	Hist. 90+52	Phi Gam. Delta-*1324*
[4]Speers, Robert Dean	Los Altos	LD	245 Toyon
Spellacy, Edmund F.	Los Angeles	Law 131+25	Theta Xi-*1355*
Spencer, Emerson L.	Modesto	LD 63+29	Delta Tau Delta-*1363*
[12]Spencer, Percival I.V. A.B., Stanford, 1925, J.D., 1926	Stanford Univ.	Law gr.	Branner-*881*
[4]Spencer, Peter Lincoln B.S., Oregon, 1922	Monmouth, Ore.	Educ. gr.	305 Stanford, M-m

[14]Spencer, Robert R.	Honolulu, T.H.	Educ. gr.	536 Cowper
A.B., Hawaii, 1923			
[4]Sperry, Willard Coombs	Sacramento	LD ‡	119 Toyon
[4]Spiess, Henry R.	Milwaukie, Ore.	Educ. gr.	840 Bryant-p
A.B., Willamette, 1921			
[3]Spinks, Alfred Bates	Los Altos	LD 14+14	29 Encina
Spinks, Charles Nelson	Los Altos	LD 45+13	41 Encina-*40*
[1]Spirito, Olga	Pasadena	Span. gr.	10 Salvatierra
A.B., California, Southern Branch, 1926			
Spradling, LeRay, Jr.	Palo Alto	Econ. 137+108	1831 Waverley-p
[5]Spradling, Wallace Hanes	Palo Alto	LD 83+11	1831 Waverley-p
[4]Sprague, Marea Melvin	Palo Alto	Educ. gr.	332 Forest-p
A.B., State College of Washington, 1917			
[12]Spring, Willard Carlton	Hollywood	LD 33–2	243 Toyon-*1474*
Springer, Jack Lowell	Upland	LD 47·43+48	Delta Chi-*1304*
Springer, John Young	Palo Alto	Econ. 143+245	305 Lytton-p
[4]Springmeyer, Ada E.	Gardnerville,Nev.	LD ‡	258 Roble
[1]Sprinkle, Ottie C.	Palo Alto	LD 1–12	375 Everett-p
[5]Squires, Ida Belle	San Diego	Psych. 80·62+52	246 Roble-*1114*
Squires, John H.	San Diego	C.E. 90·94+72	138 Toyon-*2174*
A.B., Stanford, 1926			
[5]Staffelbach, Elmer H.	Mayfield	Educ. gr.	411 Amherst, M-*1273*
A.B., Stanford, 1924, A.M., 1925			
Stafford, Claude C.	Long Beach	Bact. gr.	1024 Emerson-p
Stafford, Una	Twin Falls, Idaho	Fr. 136+112	Sigma Kappa-*1327*
[1]Stahlberg, Carl August	Eatonville, Wn.	Educ. ‡	804 Bryant-p
[23]Stahler, Robert Francis	Yorba Linda	LD 68+4	Phi Gamma Delta-*1324*
Stall, Elizabeth E. D.	Stanford Univ.	LD 90+0	363 Roble-*1255*
Stanford, Helen Winslow	Piedmont	LD 86+61	Kappa Kap. Gam. *1354*
[15]Stanford, Leland G.	San Bruno	Law gr.	San Bruno-*20*
A.B., Stanford, 1924, A.M., 1926			
Stanley, Ashton Alberger	Del Monte	LD62–10	DeltaKappaEpsilon-*OO*
Stanley, Florence Ellen	Palo Alto	Zoöl. 181+79	Alpha Omicron Pi
A.B., Stanford, 1926			
Stapp, Frederick Pearce	Los Angeles	Chem.97·47+67	Al. Kap. Lam.-*658*
[4]Stark, Marion F.	Greensburg, Kans.	Educ. gr.	1730 Webster-p
B.S., Kansas State Teachers College, 1922			
[4]Stark, Willis Orville	Belleville, Kans.	Educ. gr.	1730 Webster-p
B.S., Kansas State Teachers College, 1921			
Starks, Dorothy Johanna	Palo Alto	Med. gr.	1440 Clay, SF-sf
A.B., Stanford, 1924			
Starr, Walter Augustus, Jr.	Piedmont	Law gr.	Delta Kappa Epsilon-*OO*
A.B., Stanford, 1925, J.D., 1926			
[4]Staten, George Cowden	El Paso, Tex.	LD ‡	237 Toyon
[4]Staten, Lillie Adair	El Paso, Tex.	LD ‡	241 Roble
[5]Staub, John G., Jr.	Los Angeles	LD 91+49	Sigma Chi-*628*
Stearns, Joseph Edward	Palo Alto	LD 43+19	781 Channing-p
Stebbins, George Arthur	Lansing, Mich.	LD 44–2	359 Encina-*561*
Stebbins, Margaret	Oakland	Econ. 133+62	175 Roble-*1976*
Stedman, James Hunt	Palo Alto	LD 44·107+2	1818 Bryant-p
[23]Stedman, Morgan	Palo Alto	Ed.G.A. 103+2	1320 Middlefield-p
Steele, Arthur Alexander	Boise, Idaho	LD 47·39–24	400 Encina-*1576*
[2]Steele, Gurdon Donald	Lodi	Pol.S. 141–19	2 Constanto
[1]Steele, Harold E.	Corvallis, Ore.	LD 15–7	337 Encina

[4]Steele, Ralph R. B.S., California, 1921	Esparto	Educ. gr.	333 Lincoln-p
[14]Steidley, Hubert A. A.B., Colorado State Teachers College, 1923	San José	Educ. gr.	65 S. 6th, SJ-sj
[5]Steil, Melville	Nenana, Alaska	Chem. 160+83	204 Sequoia-*1442*
von Stein, Kathryn Violet A.B., Stanford, 1926	Ontario	Span. 105·75+68	222 Roble-*84*
Steinbeck, Mary Blanch A.B., Stanford, 1926	Salinas	Engl. 180+93	Alpha Phi-*1387*
Steinweden, John Benjamin	Lindsay	Zoöl. 143+148	241 Branner-*1249*
Stephens, Bruce Miller	Alameda	Pre-Med.140+120	PhiK.Sig.-*1306*
Stephens, John Stewart A.B., Stanford, 1925	Los Angeles	Med. gr.	Forest Apts.-p
[5]Stephens, Marjorie Biby A.B., Stanford, 1926	Palo Alto	Ed.G.A. gr.	Forest Apts.-p
Stephens, Moye Wicks	Hollywood	LD 74+58	Alpha Delta Phi-*J*
[12]Stephens, Philip Harvey A.B., Stanford, 1926	Los Angeles	Econ. 181+8	Phi Kappa Psi-*1333*
Stephenson, JohnDeCamp	Grt.Falls, Mont.	LD 45+79	346 Encina-*2032*
[4]Stern, Anna Maud A.B., Nevada, 1925	Carson City, Nev.	Span. gr.	250 Roble
[1]Stern, Ruth Esther A.B., Stanford, 1923	Portland, Ore.	Law gr.	Manzanita-*1187*
Stevens, Alexander Chilson, Jr. A.B., College of the Pacific, 1923	Modesto	S.Educ. gr.	Kappa Sigma-*1326*
[1]Stevens, Blaine L. A.B., Stanford, 1919	Palo Alto	Zoöl. gr.	926 Cowper-p
[5]Stevens, Kimball Clement	San Mateo	LD 58·57–14	5 Lasuen-*711*
Stevenson, Archie M. A.B., Stanford, 1926	Portland, Ore.	Pol.S. 183+6	521 Channing
Stevenson, Carl Bering	Cupertino	Econ. 132+118	Phi Del.Theta-*1334*
Stevenson, Eugene Maxwell A.B., Stanford, 1926	Centerville	Law 180+43	Sig. Alpha Eps.-*1305*
[12]Stevenson, Harry Wyle	Centerville	LD 95–16	Sig. Alpha Eps.-*1305*
[4]Stever, Manfred Raymond	S. Pasadena	LD	133 Toyon
[1]Steward, Harry, Jr.	Los Angeles	LD 129+2	Phi Kappa Psi-*1333*
[5]Stewart, Arbie	Stanford Univ.	S.Biol. 60·91+162	Kingscote-*103*
Stewart, Arthur C.	Lamanda Park	M.E. 126+120	Beta Theta Pi-*1335*
[12]Stewart, Boyd	Nicasio	LD 30–15	548 Encina-*502*
[3]Stewart, Edward N.		LD 37–12	Kappa Sigma-*1326*
[234]Stewart, Francis Samuel A.B., Stanford, 1923, A.M., 1924	San Diego	Chem. gr.	29 Salvatierra-*2527*
[4]Stewart, George Stirling A.B., California, 1918	Palo Alto	Educ. gr.	251 Tennyson-p
Stewart, Gerald Glenn	Los Angeles	Hist. 111–12	Del. Tau Del.-*1363*
[13]Stewart, Helen Virginia A.B., Stanford, 1926	Riverside	Cl.Lit. 90·91+134	172 Roble-*979*
Stewart, Jean Christyn	Rio Vista	LD 15·84+151	338 Roble-*1457*
[4]Stewart, John Kenneth	Los Angeles	LD	117 Toyon
[4]Stewart, Kenneth N.	New York, N.Y.	Engl.-Jn. 126+60	16 Lasuen-*1356*
Stewart, Nadene Parker A.B., Stanford, 1926	Santa Clara	Educ.111·69+25	1217Harsn.,SC-sc
Stichter, Genevieve S. A.B., Stanford, 1925	Cupertino	S.Educ. gr.	Cupertino-c
[3]Stikeman, Donald Frank	Santa Cruz	LD 124+34	547 Encina
[12]Stillman, Freeman L.	Odebolt, Iowa	Econ. 16·142–8	512 Hanover-*605*

Stilson, William Winter — Los Angeles — LD 34–18 — 227 Encina-*1289*
Stimpson,EdwardKeown — Bellingham,Wn. — Chem.101·47+50 — 206 Sequoia-*1289*
Stine, John MacLeod — San Francisco — LD 44+22 — 231 Encina-*1683*
[1]Stipp, Thomas Franklin — San Mateo — Geol. gr. — 24 Middle, SM-sm
A.B., Stanford, 1922, A.M., 1926
[4]Stirwalt, Ernest — Palo Alto — Educ. gr. — 531 Hawthorne-p
A.B., Michigan, 1911
Stitt, Philip Douglas — Los Angeles — LD 44+4 — 46 Encina-*276i*
[5]Stock, Thomas Leland — Sacramento — Pol.S. 90·54+94 — 406 Sequoia
Stockbridge, Glenn H. — Los Angeles — C.E. 205+237 — 236 Toyon-*605*
A.B., Stanford, 1926
[4]Stocklmeier, Adele Irmler — Cupertino — Ed. G.A. gr. — Cupertino-c
A.B., Stanford, 1918
Stockton,AndrewBenton — Grangeville,Ida. — Med. gr. — 2401 Sacramento, SF-sf
A.B., Stanford, 1923
[5]Stoker, Ray Cooke — Denton, Tex. — Engl. gr. — Madroño-*1533*
A.B., Texas, 1922, A.M., 1923
[5]Stoker,Spencer Longshore — Denton, Tex. — Educ. gr. — Madroño-*1533*
A.B., Texas, 1922, A.M., 1923
[4]Stollar, Paul Stewart — Oroville — Educ. gr. — 11 Lasuen
A.B., Willamette, 1923
Stoller, F. Drennon — Oakland — LD 82–11 — Delta Chi-*1304*
Stollery, David John, Jr. — San Mateo — Econ. 109+40 — 920 Palm, SM-sm
[12]Stollmack, Arthur — Hollywood — Law gr. — 208 Branner-*1083*
A.B., Stanford, 1924, J.D., 1926
Stone, Nevdone — Pasadena — LD 40+18 — 427 Encina
[4]Stone, Seymour Iver — Long Beach — Educ. gr. — 518 Webster-p
A.B., Washington, 1908; A.M., California, 1921
[4]Stone, William Samuel — Phoenix, Ariz. — Educ. gr. — Toyon
A.B., Illinois, 1919; A.M., Stanford, 1925
[23]Stoner, Robert Meily — San Francisco — LD 141+32 — 505 Encina-*971*
Storey, A. Dean — Merced Falls — Engl. 181+61 — Sigma Nu-*1385*
A.B., Stanford, 1926
Storey,Parnie Hamilton — New York,N.Y. — LD 22·62+26 — Delta Gamma-*1606*
[23]Storie, William G. — San José — Econ. 60·120+12 — 788 P.A. Ave.-p
A.B., Stanford, 1926
[4]Stouffer, Elsie Mae — Spencer, Iowa — Hist. gr. — 271 Roble
A.B., Grinnell, 1924
[4]Stovall, John H. — Philomath, Ore. — Educ. gr. — 303 Union-*2455*
A.B., Pacific University, 1926
[1]Stover, Raymond Daniel — Beverly Hills — LD 4–11 — 106 Encina-*1995*
[4]Strachan, Lexie — Kansas City, Mo. — S.Educ. gr. — 373 Roble
B.S., Oregon, 1920; A.M., Stanford, 1921
Strain, Harold Henry — Mayfield — Chem. gr. — Mayfield-*136*
A.B., Stanford, 1923, A.M., 1924
Stratton, Charles Cullen — Downey — Law 181+74 — Al. Tau Omega-1384
A.B., Stanford, 1926
Stratton, Charles William — Palo Alto — Mil.S.60·111+19 — Delta Chi-Bx 54,p
A.B., Stanford, 1926
[4]Stratton, Florence Mary — Pomona — LD ‡ — 360 Roble
Straup, Danella — Salt Lake City, Utah — Chem. gr. — Madroño-*1994*
A.B., Utah, 1923
Strauss, Richard Kenneth — Chicago, Ill. — LD 41–12 — 216 Encina-*1784*
Street, Webster Finley — Palo Alto — Law 180+105 — 590 Embarcadero-p
A.B., Stanford, 1926
[4]Strickland, Warren L. — Arvada, Colo. — Educ. gr. — 216 Toyon-*2546*
A.B., Colorado State Teachers College, 1924

Stromquist, C. Eben, Jr.	Palo Alto	LD 50+33	607 Oregon-p
Strong, Artemas Jacob A.B., Stanford, 1924	Santa Paula	Med. gr.	2201 California, SF-sf
Strong, F. Calvert	Long Beach	LD 43–13	128 Encina
[4]Strong, Gwendolyn Mary	Santa Paula	Hist. ‡	267 Roble
Strong, Kenneth	Long Beach	LD 118+123	Beta Theta Pi-*1977*
[4]Strong, Leon Marshall B.S., Utah, 1924	Driggs, Idaho	Law gr.	635 Webster-p
Stroup, Cranston LeRoy	Cleveland, O.	Phil. 3·182–8	1651 Webster-p
Stroup, Margretta Elizabeth	Cleveland, O.	Engl. 30·115+75	1651 Webster-p
Stroup, Russell Cartwright A.B., Stanford, 1925	Cleveland, O.	Hist. gr.	1651 Webster-p
[5]Stroven, Carl A.B., Stanford, 1926	Santa Rosa	Engl. gr.	524 Encina
[4]Stroven, Helen Truitt	Healdsburg	Educ. ‡ 15+17	645 Gilman-p
Strowger, Allan Wade	Portland, Ore.	LD 93+79	Phi Gam. Delta-*1324*
Struble, George R.	Penryn	Zoöl. 133+84	315 Sequoia
Stubblefield, Howard Everett	Ontario	LD 45·47+32	532 Homer
Stubblefield, Theodore A. A.B., Stanford, 1926	Ontario	Engl. 90·94+55	532 Homer
Stucky, M. Ruth A.B., Stanford, 1925, A.M., 1926	Sparks, Nev.	Span. gr.	Manzanita-*873*
Suffern, William Henry A.B., Stanford, 1926	Decatur, Ill.	Econ. 185+65	14 Cabrillo-*2263*
Sullivan, John Graham	Merced	LD 45+29	235 Encina-*1787*
[4]Sullivan, Julia	San Francisco	LD ‡	375 Roble
[12]Sullivan, Lloyd Lawrence	Los Angeles	Pol.S. 7·116+84	8 Dolores-*2283*
[4]Suma, Masao M.	Hiroshima, Japan	Hist. ‡	Alvarado-Box 132, a
[12]Sumner, Charles Hawley	Palo Alto	Law 112+22	760 University-p
Sumner, William Artell A.B., Stanford, 1926	San José	Pre-Cl.88·112+51	518 S. 11th,SJ-sj
Sutro, John A. A.B., Stanford, 1926	San Francisco	Econ. 180+104	203 Toyon-*1401*
[4]Suttey, Amy Lucy A.B., Creighton, 1925	Bisbee, Ariz.	Educ. gr.	Madroño
Sutton, Reuel Robbins	San Francisco	Law 132+48	Menlo Park-mp
Sutton, Thomas Leonard A.B., Stanford, 1921	San Francisco	Med. gr.	1966 California, SF-sf
Swain, Dorothy Muriel A.B., Stanford, 1926	Stanford Univ.	Hist. 36·145+63	2 Mirada-*1153*
[5]Swain, Robert Cuthbertson	Stan. Univ.	Chem. 86+81	2 Mirada-*1153*
Swan, Fred Haviside	Palo Alto	LD 108–3	329 Hawthorne-p
Swarthout, Rassele Edwards	Los Angeles	Phil. 104·48+57	335 Union-*2215*
Swayze, Doris C. A.B., Stanford, 1926	Hermiston, Ore.	Hist. 182+123	Chi Omega-*1386*
Swayze, Frank Miller	Hermiston, Ore.	LD 32–26	345 Encina-*1295*
Swickard, Andrew Emerson	San José	LD 97+125	213 Sequoia
[12]Swickard, Harvey Arnold	San José	LD 46·68+24	750 PaloAlto Ave.-p.
[12]Swift, Howard Newman A.B., Stanford, 1926	Tokyo, Japan	M.E. 40·151+4	305 Branner-*1468*
Swift, Jesse Derbert	Oakland	Econ. 40·93+4	Delta Chi-*1304*
Swim, Hubert Dudley A.B., Stanford, 1926	Twin Falls, Idaho	Pol.S. 89·97+151	246 Toyon-*1905*
Syer, Robert D'Oyly	San José	LD 47+37	116 Encina-*1121*
Symonds, Nathaniel M.	Hinsdale, Ill.	Econ. 105·47–8	500 Encina-*1326*
Sypher, Clarence	Seattle, Wash.	LD 76+37	532 Encina-*I*

[1]Taam, Wu A.B., Stanford, 1925	Canton, China	Pol.S. gr.		Chinese Club-*1257*
Tabler, Edward Cowles	San José	Econ. 90·45+80		572 S. 9th, SJ-sj
[4]Tachet, Consuelo Alice A.B., Southern California, 1925	Los Angeles	Educ. gr.		271 Roble
[12]Tackabury, George Wesley A.B., Stanford, 1926	Los Angeles	Econ.4·176+96		Delta Upsilon-*1353*
[5]Taft, Alan C.	Palo Alto	Zoöl. 37·93+46		253 Fulton-p
Taft, Stanley Byron	Salinas	C.E. 151+15		547 Encina
Taggart, Harold Francis A.B., Earlham, 1915; A.M., California, 1917	San Mateo	Hist.gr. 565		EdgewoodRd.,SM-sm
[4]T'an, Tienkai L. A.B., Peking Government Teachers College, 1922; A.M., Stanford, 1924	Weiharin, China	Pol.S. gr.		Chinese Club-1079
Tandy, Ray Elmer	Alta Loma	LD 42+26		*225* Encina-*1451*
Tapley, Christine A.B., Stanford, 1926	Los Angeles	Engl.121·60+63		Kap.Al.The.-*1336*
[234]Tasche, John, Jr.	Sheboygan, Wis.	Chem. 135·21–12		309 Sequoia-*1290*
[12]Tashiro, Henry Tanenori	Gardena	LD 36–22		Los Altos-la
[1]Tashjian, George Martin	Cutler	LD 12-11		130 Encina
[1]Tashjian, Harry Martin	Cutler	LD 28–22		11 Toyon
[1]Taylor, Albert LeRoy B.S., Utah, 1917; M.S., Michigan, 1918	Salt Lake City, U.	S.Engr. gr.		559 Kingsley
Taylor, Albert Ray	Palo Alto	M.E. 116+39		855 Hamilton-p
[12]Taylor, Beatrice Broughton A.B., Stanford, 1925, A.M., 1926	MenloPark	Fr. gr.		Laurel Court, MP-mp
[23]Taylor, Byron Madison	Stanford Univ.	S.Engr. 141+16		123 Toyon-*605*
[4]Taylor, Doris N.	Oklahoma City, Okla.	Engl. ‡		208 Roble
[12]Taylor, Everett Ridley	Hollywood	C.E. 152+24		210 Toyon-*1855*
Taylor, Harold Hoyt	Pasadena	LD 47+84		550 Palo Alto Ave.-p
[3]Taylor, Harvey Grant	Los Gatos	S.Engr. 90·9–9		55 National, LG-lg
Taylor, James B., Jr. A.B., Stanford, 1926	Los Angeles	E.E. 185+166		212 Toyon-*1855*
[23]Taylor, James Ellery	Palo Alto	LD 21–3		855 Hamilton-p
Taylor, Kenneth Maynard A.B., Oberlin, 1923	San Francisco	Med. gr.		2209 Buchanan, SF-sf
[4]Taylor, Lela Helen A.B., California, 1925	Fresno	Educ. gr.		355 Roble
[4]Taylor, Maurice W. A.B., Michigan, 1920, A.M., 1921	Sand Springs, Okla.	Educ. gr.		11 Lasuen
[4]Taylor, Merl Cobb A.B., New Mexico, 1923	Albuquerque, N.M.	Educ. gr.		741 Homer-p
Taylor, Richard Wesley A.B., Stanford, 1926	Santa Ana	Soc.S.-Jn.90·104+79		120Toy'n-*851*
[3]Taylor, Robert Beverly	San Francisco	LD 12+15		139 Encina
[4]Taylor, Wallace Matthews A.B., College of Idaho, 1915	Palo Alto	Educ. gr.		350 Pope-p
[1]Taylor, Warren Randell	Jackson	LD		400 Encina
[5]Taylor, William Haydn A.B., Stanford, 1923	Palo Alto	Law gr.		515 University-p
Taylor, Zenas Howland A.B., Macalester, 1920	Stanley, N.D.	S.Bus. gr.		975 Hamilton-*968*
[1]Tebbe, Stanley	Weed	LD 8–12		301 Encina
[5]Templin, Ernest Hall A.B., Stanford, 1921, A.M., 1921	American Falls, Ida.	Span. gr.		541 Encina-*826*
[4]Templin, Ethel May A.B., California, 1924	American Falls, Ida.	Span. gr.		361 Roble-*826*

Temps, Fred Ernest — Hayward — LD 79+78 — 405 Sequoia
[4]Tenney, Arthur Boutelle — Graton — Educ. gr. — 921 Ramona-p
A.B., Fairmont, 1912
Tenney, E. Paul — Seattle, Wash. — Hist. 135·46+37 — 304 Union-*1934*
A.B., Stanford, 1926
[4]Ternstrom, Lillian — Spokane, Wash. — Engl. gr. — Kingscote
A.B., California, 1925
[1]Terrell, Paul David — Denair — E.E. 90·10–8 — 665 Hanover
[23]Tesche, Elmer Fred — San José — LD 29+38 — Carlos&Northrup,SJ-sj
[4]Thaxton, Ruth — Mason, Tex. — Educ. gr. — Roble-*1754*
A.B., Colorado State Teachers College, 1923
Thayer, George Edwin — San Mateo — LD 82+12 — Theta Xi-*1355*
Thayer, Wellman Perry — So. Pasadena — LD 45·41+28 — Phi Sig. Kappa-*538*
[12]Thayer, William Lyman — Los Angeles — E.E. gr. — 121 Toyon-*964*
A.B., Stanford, 1925, Engineer, 1926
[1]Thienes, Clinton Hobart — Portland, Ore. — Pharm. gr. — 2608 California, SF-sf
A.B., Oregon, 1918, A.M., 1923, M.D., 1923; Ph.D., Stanford, 1926
[12]Thomas, Aimée Belle — Palo Alto — LD 94+9 — 365 Lincoln-p
Thomas,Chesterlyn Antoinette — Stan.Univ. — LD 48+40 — 328 Roble-*1993*
[12]Thomas, Edson Gay — Palo Alto — Law gr. — 656 Bryant-p
A.B., Stanford, 1925
*[34]Thomas, Frank Waters — Fresno — Educ. gr. — 1341 Tasso-p
A.B., Indiana, 1905; A.M., Illinois, 1910
Thomas, Gomer M., Jr. — Los Angeles — LD 94+66 — Beta Theta Pi-*1335*
Thomas, Joseph Daniel — Los Angeles — Pol.S.91·49+73 — 406 Sequoia-*1873*
Thomas, Lewis Adams, III — Visalia — M.E. 143+74 — Theta Chi-*1383*
[12]Thomas, Mark Everett — Los Gatos — C.E. 46·137+155 — *229* Branner
A.B., Stanford, 1926
Thomas, S. Benson — Mill Valley — Chem. 154+170 — 202 Sequoia
[234]Thomason, Clarence — Hollywood — LD 28–10 — *337* Encina-*1357*
Thompson, Benjamin H. — Glendale, Ariz. — LD 87+64 — 13 Salvatierra-*1635*
Thompson, Chauncey O. — Memphis, Tex. — LD 95+90 — 112 Branner-*1019*
[4]Thompson, Donald H. — Longview, Wash. — Educ. gr. — Phi Delta Theta
A.B., Whitman, 1915
Thompson, Ethelind Grace — San Diego — Hist. 15·133+156 — Chi Omega-*1386*
Thompson, F. Gail — Spring Coulee, Alta. — Psych.18·162+203 — PiBetaPhi-*1332*
A.B., Stanford, 1926
Thompson, Florence M. — San Francisco — LD 90+35 — Delta Delta Delta-*1325*
[5]Thompson,GeorgeWaggoner — LosAngeles — S.Educ. gr. — Alpha Delta Phi-*J*
A.B., Stanford, 1926
Thompson, Henry Webb — Glendale, Ariz. — Pre-Med.164+184 — 13 Salv'tra-*1635*
[5]Thompson, John West — Puebla, Mexico — LD 22·89+39 — Delta Kap. Eps.-*OO*
Thompson, Kenneth J. — Red Bluff — Med. gr. — 2321 Sacramento, SF-sf
A.B., Stanford, 1925
Thompson, Kenneth Wade — Fresno — Pre-Clin.197+247 — 420 Encina-*1468*
A.B., Stanford, 1926
[4]Thompson, Mary Irene — Los Angeles — S.Educ. gr. — 257 Roble
A.B., Stanford, 1924
Thompson, Nesta Mary — La Jolla — Engl. gr. — Madroño-*1152*
A.B., Washington University, 1916, A.M., 1919; Ph.D., Stanford, 1926
[23]Thompson, Thomas Francis — Glendale — LD 33+4 — 28 Alvarado-*1875*
[12]Thompson, Warren Osborne — Univ. Park — Geol. gr. — University Park
A.B., Colorado, 1922
Thomson, Elwyn Arthur — Palo Alto — Econ. 40·140+99 — *333* Waverley-p
A.B., Stanford, 1926
Thomson, Frederick David — Los Angeles — S.Engr. 149+47 — Alpha Delta Phi-*J*

Thomson, Robert Edward	Los Angeles	Law 114+17	108 Sequoia-*1521*
Thomson, William Lyon A.B., Stanford, 1924	San Francisco	Med. gr.	1542 Jackson, SF-sf
Thon, Louie Frederick	Long Beach	LD 48+39	317 Encina-*1963*
Thornton, A. Lee	Lakeview, Ore.	LD 47+27	42 Encina-*2042*
Thornton, Edith Alden	Los Angeles	LD 90+37	Kap. Kap. Gam.-*1354*
[23]Thornton, Leigh Grey	Los Angeles	LD 57+1	Delta Kappa Epsilon-*O*
Thornton, William C. Donald	San Francisco	LD 112+34	521 Middlefield-*658*
Thorpe, Allene Warden A.B., Stanford, 1926	Lamar, Mo.	Soc.S.-Jn.13·169+174	D.D.D.-*1325*
Thorpe, Katherine	Covina	LD 49+80	336 Roble-*2163*
[1]Thorpe, Spencer Roane	Los Angeles	LD 84+24	25 Salvatierra
Threlfall, Donald Richard A.B., Stanford, 1926	Modesto	Pre-Clin.76·116+39	D.TauD.-*1363*
[23]Thuma, Burton Doan B.S., Michigan, 1923, M.S., 1925	Cincinnati, Ohio	Psych. gr.	8 Union-*507*
[23]Thurlow, Thomas Lawson	Venice	LD 32+38	331 Encina-*2354*
Thygeson, Elling	Palo Alto	Phyl. 96·86+18	222 Kingsley-p
[1]Thygeson, Mary	Palo Alto	Soc.S. 43·95+157	320 Roble
Thygeson, Phillips A.B., Stanford, 1925	Palo Alto	Med. gr.	1832 Cowper-p
Tibbe, Jän	Oakland	LD 89+18	Beta Theta Pi-*1335*
[5]Tien, Shih-Ying	China	Hist. 90·44+30	Chinese Club-*960*
Tifal, Chester Richard	Los Angeles	Econ. 97·48+13	Al. Tau Ome.-*1384*
[12]Tillia, Darwin L.	Des Moines, Ia.	Engl. 96·28–3	457 Kingsley-p
Tillotson, John Sanford	Dinuba	LD 43+32	18 Encina
[3]Tilton, Edward Glen A.B., Stanford, 1925	Salt Lake City, U.	Phys. gr.	510 Encina-*2605*
[1]Timby, Henry Edward A.B., Stanford, 1926	Salt Lake City, U.	Econ. 180+45	Phi Kap. Sig.-*1306*
[5]Tinker, Miles Albert A.B., Clark, 1921; A.M., 1922	Huntington, Mass.	Psych. gr.	918 Ramona-*954*
Tinsley, Ruth Elizabeth	Kansas City, Mo.	LD 49+84	267 Roble-*2007*
[12]Tippett, George William	San Francisco	Bact.100·109–10	2860 Calif., SF-sf
[5]Titus, Charles Hickman A.B., Stanford, 1920, A.M., 1921	Stanford Univ.	Pol.S. gr.	13 Union-*1219*
[12]Titus, Robert C. A.B., Stanford, 1925	Berkeley	Hist. gr.	315 Union-*1601*
[4]Toalson, Norma Anne	Mexico, Mo.	Educ. ‡	353 Roble
Toberman, Homer Mendel	Hollywood	LD 46–8	236 Encina-*543*
[234]Todd, Harold Elworthy	Los Angeles	Econ. 149–5	Sig. Al. Eps.-*1305*
Todd, Harrison Tyler	San Francisco	LD 140+40	Sigma Nu-*1385*
[5]Todd, Harry Day A.B., Stanford, 1924	Palo Alto	Law gr.	1430 Middlefield-p
Todd, Samuel Spaulding	Arcata	Chem. 90·47+18	408 Sequoia-*989*
[5]Toffelmier, Bruce C.	Sebastopol	Pol.S. 114–13	Al. Tau Omega-*1384*
Tognazzini, Aileen Virginia A.B., Stanford, 1926	Santa Maria	Span. 182+103	Alpha Phi-*1387*
[23]Tognazzini, Elton Leland	Santa Maria	LD 26–4	Encina
Tognazzini, Roland E. A.B., Stanford, 1924, J.D., 1926	San Francisco	Law gr.	Delta Tau Delta
[12]Tolerton, David	Palo Alto	LD 68+30	959 Waverley-p
Toll, Marian Louise A.B., Stanford, 1926	San Diego	S.Educ. gr.	301 Roble
Tolman, Blanche Hildegarde A.B., Stanford, 1926	Stan. Univ.	Hist. 180+67	San Juan-*830*

[23]Tompkins, Bernice Brooks A.B., Stanford, 1917	San José	Hist. gr.	395 N. 3rd, SJ-sj
[4]Tompkins, Louise	Sunnyvale	LD ‡	Sunnyvale
[4]Toomey, Irving Francis B.S., California, 1923	Fresno	Educ. gr.	524 Webster-p
[4]Torbert, Harold Chester	San Diego	LD ‡	320 Embarcadero-p
[5]Torjussen, Reidar B.	Medicine Hat, Alta.	Engl.-P.Sp. 67·59+80	403 Enc.-*146*
[4]Tornell, D. Judith A.B., Iowa, 1925	Pasadena	Engl. gr.	278 Roble
[4]Torrence, Maurice Dean	Yankton, S.D.	LD	800 Cowper-p
[5]Touwaide, Marcel E. C.E., Liége, 1925	Brussels, Belgium	Geol. gr.	332 Union-*1674*
[5]Towers, Harold Dreher	Pasadena	Law 132+3	242 Branner-*35*
[4]Townsend, Helen M. A.B., Hendrix, 1924	Howe, Okla.	Engl. gr.	Roble
Toy, Clarence Joseph A.B., Stanford, 1926	San José	Econ. 79·101+55	139 Toyon
[5]Toyoda, Hideo Warren	Yokohama, Japan	Pre-Med.132+48	Jap.Club-Bx285,p
[4]Trabert, Lysle Rushby A.B., Nevada, 1915	Fallon, Nev.	Engl. gr.	Madroño-*2307*
Tracksell, Ruth Virginia A.B., Stanford, 1926	Los Angeles	Hist. 101·87+133	318 Roble-*1493*
Tracy, Ralph L., Jr.	Santa Barbara	LD 34–21	302 Encina
[12]Trahern, James William A.B., College of the Pacific, 1923	Palo Alto	C.E. gr.	525 Alma-p
Trattner, Harold David	Los Angeles	LD 107+83	206 Branner-*588*
[5]Trautz, Rose E. L. A.B., Stanford, 1926	Cottonwood	Bact. gr.	253 4th Ave., SF-sf
[12]Travers, William J., Jr.	Placentia	LD 8·79+54	228 Branner-*1011*
Treanor, Thomas Coghill	Los Angeles	LD 47+48	316 Encina-*1877*
[12]Treat, Marjorie Esther	Salinas	LD 47·26+0	378 Roble
[4]Treff, Lucile Helen	Pasadena	Engl. ‡	Roble
Triest, Frank Sol	Los Angeles	LD 29–9	1001 Ramona-p
Trimmer, Thomas Fulton	Cody, Wyo.	LD 42+0	245 Encina-*1854*
[4]Troeger, Paul Arthur B.S., Iowa State College, 1921; A.M., Columbia, 1924	Des Moines, Iowa	Educ. gr.	206 Union-*2406*
[5]Trombetta, Julius Caesar	Manteca	Econ. 121+70	15 Toyon-*2668*
Trotter, Fred Eugene, Jr.	Honolulu, T.H.	Econ. 45·91+37	Beta Theta Pi-*1335*
[5]Trowbridge, Dwight Howe	Fresno	Pre-Med. 85+14	Al. Sig. Phi-*1357*
Troyer, Gifford LeRoy	Hollywood	Law 119+101	Phi Kappa Psi-*1333*
True, Cecil Leslie A.B., Stanford, 1926	Spokane, Wash.	Econ. 180+90	Theta Chi-*1383*
[5]Truman, John Edwards	Oakland	LD 108+1	113 Branner
[12]Tsi, Yu Fang A.B., Stanford, 1925, A.M., 1926	China	Engl. gr.	168 University-p
Tsui, Tsong-Hsun A.B., Stanford, 1924, A.M., 1925	Nanyaing, China	Pol.S. gr.	212 Union-*14*
[5]Tuan, Hsu Chuan	China	Bot. 90·45+58	Chinese Club-*1136*
Tucker, James Bradley	Twin Falls, Idaho	LD 104+143	246 Toyon-*1692*
Tucker, N. Millett A.B., Stanford, 1926	Stanford Univ.	Econ. 180+32	Phi Gam. Del.-*1324*
[34]Tufford, Walter Witt	Detroit, Mich.	Econ. 114·16+8	19 Cabrillo-*2463*
[12]Tully, Charles Wallace A.B., Stanford, 1926	Palo Alto	Min. 180+57	154 Bryant-p
Tung, Chi-Tai B.S., California, 1925	Nan-Chuan, China	E.E. gr.	Chinese Club-*1136*

[4]Tupper, Charles Ralph A.B., Stanford, 1913, A.M., 1923	Miami, Ariz.	Educ. gr.	419 Channing-p
Turnbull, Jack A.	La Jolla	LD 81·50+22	501 Encina-*1209*
Turner, Alan Q.	Visalia	LD 43+31	1047 Ramona-p
[4]Turner, Elizabeth Ann	Campbell	Educ. ‡	Leigh Ave., C-c
[12]Turner, Rex Hardin A.B., State College of Washington, 1924	Huntington Park	Educ. gr.	214 Union-*53*
Tussing, Ford Marlow A.B., Stanford, 1924	Palo Alto	S.Bus. gr.	320 Fulton-p
Tuthill, Ruth Elizabeth	Portland, Ore.	LD 83+51	Delta Gamma-*1366*
Tuttle, Lawrence S.	Waimea, T.H.	LD 78+109	133 Branner-*1855*
[4]Twining, Lou G.	Phoenix, Ariz.	LD ‡	259 Roble
Tyroler, Frederic N. A.B., Stanford, 1926	Los Angeles	Pre-Clin. 186+124	420 Encina-*137*
Updegraff, George Gavin A.B., Stanford, 1925, J.D., 1926	Portland, Ore.	Law gr.	Sigma Chi-*974*
Uppman, Elsa Elizabeth	Santa Clara	Engl.45·92+73	1559 Harsn.,SC-sc
Upton, John Roland	Palo Alto	Pre-Med. 116+20	1710 Bryant-p
[1]Urner, Philip S.	Mountain View	Hist. 185+223	Sigma Chi-*628*
[1]Urquhart, Ross A. A.B., Stanford, 1926	Hollywood	Econ. 61·119+42	Delta Ups.-*1357*
[12]Vail, Edwin Holloway A.B., Stanford, 1922, A.M., 1926	Altadena	Econ. gr.	651 Gilman-p
Valentine, Carl August	Pocatello, Idaho	LD 46+37	16 Encina-*815*
Valentine, William W.	S. Pasadena	LD 41–3	224 Encina-*604*
[12]Vallat, Eugene Hopson A.B., Stanford, 1926	Santa Monica	Geol. 180+98	Phi Kap. Sig.-*1306*
[4]Van Alstine, K. Alice	Sacramento	LD ‡	Roble
Van Alstyne, Richard W. A.B., Harvard, 1922	Hollywood	Hist. gr.	28 Alvarado-*2273*
Van Amringe, John D.	Geyserville	M.E. 148+13	311 Toyon-*1225*
[4]Van Buskirk, Luther A.M., Colorado State Teachers College, 1925	Canon City, Colo.	Educ. gr.	201 Cooley-p
Vance, Lloyd Joseph	Seattle, Wash.	LD 45+3	445 Encina-*2038*
Van de Carr, William D. B.	Hollywood	C.E. 136+15	300 Toyon-*2114*
Van den Akker, Kryne	Los Angeles	LD 93+38	Phi Gam. Delta-*1324*
[5]Vanderburgh, Lyall C.	Madera	Econ. 10·156+58	Al.Kap.Lam.-*658*
[12]Vanderkamp, John Francis	San José	Econ. 9·100–18	207 Sequoia-*1028*
[12]Van Deth, Gerrit A.B., California, 1922	San Francisco	Geol. gr.	324 Union
Van Deventer,William C. A.B., Stanford, 1926	Long Beach	Pre-Clin. 206+171	312 Toyon-*2821*
Van Druten, Arthur A. A.B., Stanford, 1925	Los Gatos	Med. gr.	2402 California, SF-sf
Van Fossen, Elinore V.	Dunsmuir	LD 69–3	Alpha Omicron Pi-*1367*
[4]Van Gessel, Edwin H.	New York, N.Y.	Geol. ‡ 36–39	249 Toyon
[1]Van Hook, Stuart G. A.B., Stanford, 1926	Santa Monica	Econ. 182+83	Phi Kap. Psi-*1333*
Van Horn, Mary Acelia	Monrovia	LD 88+2	334 Roble
[4]Van Houte, Lydia Theodora A.B., State College of Washington, 1922	Palo Alto	Fr. gr.	Palo Alto-R. 1, Box 55, p
[4]Van Houte, William A.B., State College of Washington, 1922	Palo Alto	Span. gr.	Palo Alto-R.1,Box 55, p
[3]Van Loan, Richard Edmond	Los Angeles	LD 16+8	138 Encina
[24]Van Norden, Linda A.B., Stanford, 1924	Palo Alto	Engl. gr.	329 Lincoln-p

Van Nuys, Hervey Alan	San Francisco	LD 36–12	117 Encina
Van Vleck, Jule	Palo Alto	Hist. 180+84	Kap.Kap.Gam.-*1354*
A.B., Stanford, 1926			
Van Vorhis, Louise Graves	Corcoran	Econ. 180+32	Theta Xi-*1355*
A.B., Stanford, 1926			
Varian, Russell Harrison	Halcyon	Phys. gr.	334 Lincoln
A.B., Stanford, 1925			
[5]Vaughan, Frances Robin	Palo Alto	Law 172+116	Chi Omega-*1386*
Vaughn, Gerald Oliver	Palo Alto	E.E. 180+152	Santa Cruz Ave.
Vaughn, John Orren	San Francisco	Med. gr.	2470 Clay, SF-sf
A.B., Stanford, 1924			
[12]de Vaux, Myrtle	Piedmont	LD 63+76	Kap. Kap. Gam.-*1354*
Verbarg, Dorothy D.	San Francisco	S.Educ. gr.	302 Roble
A.B., Stanford, 1926			
Vermilya, Robert H.	San Mateo	LD 66+21	Delta Upsilon-*1315*
Verplank, Wilbur Joseph	Santa Monica	Econ. 102·50+65	Al.Kap.Lam.-*658*
[4]Ver Veer, Emma Darke	San Luis Obispo	LD ‡ 7+1	10 Salvatierra
Vickers, Wallace J.	Logan, Utah	Engl. gr.	University Park-*1423*
B.S., Utah Agricultural, 1912; A.M., Stanford, 1925, Ph.D., 1926			
Villadolid, Deogracias V.	Nasugbu, P.I.	Zoöl. gr.	227 Channing-p
B.Agr., Philippines, 1919, B.S.A., 1922, M.S.A., 1923			
Vincent, Craig S.	Grand Junction, Colo.	LD 44+30	244 Encina-*1766*
Vincenti, Louis Rudolph	Pasadena	LD 91+149	15 Toyon-*I*
Vinetz, Joseph Charles	Los Angeles	Med. gr.	Normandie Hotel, SF-sf
A.B., Occidental, 1922			
Virag, Alfred	San Francisco	LD 134+50	Theta Chi-*1383*
[34]Voegelin, Charles F.	Pine Bush, N.Y.	Phil. 90·16+13	337 Kipling-p
[4]Vogel, Helen Louise	Fullerton, Nebr.	Educ. gr.	352 Fulton-p
A.B., Stanford, 1924			
[3]Volland, Dorothy Virginia	Los Angeles	LD 16+11	356 Roble
[4]Voorhies, Edwin Coblentz	Berkeley	Econ. gr.	760 University-p
B.S., California, 1913			
[23]Voorsanger, Jack Henry	Larkspur	LD 27+22	450 Encina-*2753*
Vredenburgh, Ruth	Palo Alto	Econ. 180+28	Sigma Kappa-*1327*
A.B., Stanford, 1926			
[4]Wachter, Edna Elizabeth	San Francisco	Cl.Lit. gr.	2700 Jackson, SF-sf
A.B., College of the Sacred Heart, 1924			
[234]Waggoner, Stephen G.	Wichita Falls, Tex.	Geol. 87·82–5	213 Union-*2048*
Wagner, Charles Christian	Stockton	LD 85+50	215 Toyon-*1941*
Wagner, Edmond M.	San Francisco	LD 46+54	119 Encina
Wagner, Ernest Dean	Santa Barbara	LD 96+103	124 Toyon
Wais, John, Jr.	Merced	C.E. 118+129	142 Toyon-*1181*
Waite, Eric Lyman	Los Angeles	Ed.G.A. 100+14	707 Addison-*1246*
[12]Waite, Margaret	Los Angeles	LD 71+33	Gamma Phi Beta-*1337*
Waitzinger, Ludwig A.	Stanford Univ.	Bot. gr.	531 Harvard-*683*
B.S., Jena, 1912			
Wakefield, Claude E.	Tacoma, Wash.	Law gr.	Sigma Nu-*1385*
A.B., Stanford, 1925, J.D., 1926			
Wakefield, Jean	San Francisco	LD 84+26	Kap. Kap. Gam.-*1354*
Walbridge, Thomas A.	Los Angeles	Econ. gr.	935 Ramona-p
A.B., Stanford, 1917			
[12]Waldron, Ann Stillman	Los Angeles	LD 72+20	330 Roble
Walker, Carroll Dexter	San Francisco	Econ. 135+162	312 Sequoia
Walker, Edgar Lee	Stanford Univ.	Econ. 90·72+17	Sigma Chi-*628*
Walker, Fletcher Loren	Westwood	M.E. 171+114	Chi Psi-*1648*

Walker, John Carlton — Wilmington, Del. — C.E. 181+31 — Theta Xi-*1355*
A.B., Stanford, 1926
Walker, Kenneth Roswell — Westwood — M.E. 136+35 — Chi Psi-*1648*
Walker, Ralph J. — San Francisco — LD 46+45 — 118 Encina-*1250*
Walker, Roland Douglas — Palo Alto — Pre-Clin.33·166+101 — 310Ramona-p
A.B., Stanford, 1926
Walker, Samuel J. — Yorba Linda — Med. gr. — 2402 California, SF-sf
A.B., Whittier, 1922
[5]Walker, Victor Earl — Santa Ana — LD 47+70 — 123 Encina
[4]Wall, Enid Andrea — Beverly Hills — LD ‡ — *324 Roble-2585*
[23]Wall, Hugo — Inman, Kans. — Law gr. — *214 Union-1684*
A.B., Stanford, 1926
Wallace, Bruce McClain — Stanford Univ. — Law gr. — 302 Union-*1731*
A.B., Pomona, 1920; J.D., Stanford, 1926
[12]Wallace, John H., Jr. — San Francisco — C.E. 180+99 — *212 Toyon-1961*
A.B., Stanford, 1926
[12]Wallace, William K. — Palo Alto — Min. sp. 173–17 — 1136 Webster-p
Walling, Curtis Reynolds — Fowler — E.E. gr. — 509 Encina-*909*
A.B., Stanford, 1925, Engineer, 1926
[12]Walling, Linda Joyce — Fresno — Econ.97·83+91 — Gam.Phi Beta-*1337*
A.B., Stanford, 1926
Walsh, Norman Edward — Fresno — LD 40·48+38 — 406 Encina
[234]Walsh, Walter Pernau — San Francisco — Hist. 126–7 — Alpha Kap. Lam.-*658*
[23]Walter, Rosalie — Menlo Park — LD 26+26 — Menlo Park-Bx256, mp
[1]Wang, En Fan — Peking, China — Econ. 90·90+52 — Chinese Club-*1130*
A.B., Stanford, 1926
[5]Wankowski, Victor O. — Los Angeles — Min. gr. — 249 Toyon-*2661*
A.B., Stanford, 1926
Ward, Jean — Mill Valley — Hist. 183+171 — Kap.Kap.Gam.-*1354*
A.B., Stanford, 1926
Ward, Phebe Watkins — Delano — LD 90+86 — 104 Roble-*674*
Ward, Roderick Charles — Pasadena — C.E. 94·50+25 — Sigma Chi-*628*
[4]Ward, William John — Petaluma — LD — 11 Toyon-*2407*
Wardrip, Buford H. — Grants Pass, Ore. — Med. gr. — 335 Everett-p
A.B., Redlands, 1925
Warner, Richard Alonzo — San Francisco — LD 85+25 — 107 Sequoia-*1774*
[234]Warren, Herbert Stetson — Pacific Grove — Zoöl. gr. — Pacific Grove-pg
B.S., College of City of New York, 1911; A.M., Columbia, 1920
Warrington, Peirce E. — San Francisco — E.E. 193+216 — *236 Toyon-605*
A.B., Stanford, 1926
Watanabe, Lee M. — Fresno — Pre-Med.91·45+47 — 508Churchill-p
[12]Waterhouse, Edson P. — San Francisco — Econ. 136–6 — Beta Theta Pi-*1335*
[4]Waters, Katharine — Chico — Psych. ‡ — 146 Roble
Waters, Max A. — Chico — Pre-Cl.53·154+31 — 110Branner-*2149*
A.B., Stanford, 1926
Watkins, James Thomas — Palo Alto — LD 44+41 — 109 Encina-*2773*
[4]Watkins, Louise North — Pendleton, Ore. — Engl. gr. — 182 Roble
A.B., Minnesota, 1917
[5]Watson, Frances Rhodes — Palo Alto — Chem. 5·93+38 — 559 Tennyson-p
Watson, James Avery — Oakland — LD 73–10 — Sigma Nu-*1385*
[1]Watson, John Barry — San Francisco — LD 17–32 — Beta Theta Pi-*1335*
Watt, Rolland George — San Francisco — Law 135+23 — Beta Theta Pi-*1335*
Way, Harold Franklin — Petaluma — LD 93+110 — 136 Branner-*1803*
Way, Irene Lucile — Petaluma — LD 45+83 — *272 Roble-1803*
Way, John W. — Pasadena — LD 40–8 — *247 Encina-1201*
Way, Stewart — Pasadena — LD 44+51 — *247 Encina-1201*

Wayte, Paul Henry A.B., Stanford, 1926	Norwalk	Law gr.	302 Branner-*1975*
[4]Weage, Densmore C.	Clovis	LD ‡ 18+11	644 Guinda-p
Weakley, Joseph E.	Fresno	LD 73–10	323 Sequoia-*1137*
[4]Wear, Margaret	Fresno	Educ. 90·74+117	10 Salvatierra
Weatherwax, Clara F.	Aberdeen, Wash.	LD 47+44	374 Roble
Weaver, Albert S., Jr.	Stockton	LD 45+18	206 Encina-*666*
[1]Weaver, Arthur F.	San Francisco	LD 61–13	27 Sequoia-*1965*
Weaver, Harold L. A.B., Southern California, 1924	San Francisco	Med. gr.	Sutro Heights, SF-sf
Weaver, Lee Jackson	Los Angeles	LD 84+40	240 Toyon-*2712*
[4]Weaver, Marjorie McNall A.B., Whitworth, 1922, A.M., 1924	Spokane, Wn.	Educ. gr.	Roble
Weaver, Sylva Titian	Los Angeles	LD 46+46	Roble-*1654*
[1]Weaver, Vance C.	Los Angeles	LD 35–19	Beta Theta Pi-*1335*
[234]Webb, Laura Sherman	San Diego	Soc.S.-Jn.53·119+174	156R'le-*1512*
[4]Webb, Mattie Michelle	Tulare	LD ‡	161 Roble
[4]Webb, Rebecca Frances A.B., Arizona, 1926	Tucson, Ariz.	Educ. gr.	321 Roble-*1386*
Webster, Dorothy E.	Winner, S.D.	LD 46·99+109	Sigma Kappa-*1327*
[2]Webster, Jackson L. A.B., California, 1921	Palo Alto	Psych. gr.	1146 Waverley-p
Webster, James Scott	San Francisco	LD 41+18	126 Encina-*574*
[234]Webster, Lawrence Elbert A.B., Stanford, 1926	Riverside	Chem. gr.	314 Sequoia-*2251*
[234]Wedel, Oswald H. A.B., Arizona, 1923; A.M., Stanford, 1924	Palo Alto	Hist. gr.	480 Cornell-*1035*
Weeden, S. Lydia	San Francisco	Engl. 135+113	373 Roble-*1403*
[4]Weeks, Egbert O.	Fresno	LD ‡	Delta Upsilon
Weigel, Stanley A. A.B., Stanford, 1926	Stanford Univ.	Law 200+174	320 Encina-*1468*
Weightman, Matthew U. A.B., Whittier, 1925	Palo Alto	Fr. gr.	521 Fulton
Weigle, Clifford Francis	Lomita Park	LD 48+50	Colma-RFD 1, c
Weil, Conrad, Jr. A.B., Stanford, 1926	Redwood City	C.E. 196+13	RC-Box 263, rc
Weil, Martin J.	San Francisco	LD 93+65	214 Branner-*1127*
[5]Weil, Theodore Mitchell	Redwood City	Econ. 164+147	405 Kipling-p
Weinland, Clarence E. A.B., Stanford, 1926	Banning	Phys. 121·54+56	207 Sequoia-*1796*
[5]Weisman, Theodore	Los Angeles	Econ. 162+85	245 Branner-*15*
Weiss, Grenfall McIlvaine	Fort Baker	LD 48–11	353 Encina
[5]Welch, Doris A.	Lodi	Econ.9·101+124	AlphaOmi.Pi-*1367*
[134]Welch, Whiting	San Francisco	Econ. 153+29	Delta Kap. Eps.-*O*
[4]Weldon, Iva Myrtle B.S., Kansas State Teachers College, 1924	Garden City, Kans.	Educ. gr.	317 Roble-*2646*
[4]Weller, Fred A. A.B., State College of Washington, 1925	Tacoma, Wash.	Law gr.	115 Alma-p
[4]Wells, Edwin Adams A.B., Stanford, 1921, A.M., 1923	Paso Robles	Educ. gr.	Phi Delta Theta
[4]Wells, Harrington A.B., Stanford, 1923, A.M., 1924	Stockton	Zoöl. gr.	359 Hawthorne-p
Wells, Loton Dutreux A.B., Stanford, 1924, J.D., 1926	San Francisco	Law gr.	556 Encina-*605*
[5]Wells, Phillip H.	Pasadena	LD 44+57	247 Encina-*23*
[13]Wells, Walker M.	Palo Alto	Engl. 45·94+4	Sig.Al.Eps.-*1305*

[23]Wells, William Bruce A.B., Stanford, 1926	San Francisco	E.E. 190+76	318 Union
[1]Welsh, Robert A.	S. Bellingham, Wash.	Zoöl. 5·94+11	Phi Gam.Delta-*1324*
Wendt, Albert R.	San José	LD 29+15	100 N. Market, SJ-sj
[4]Wenk, Morris A.B., Stanford, 1912, Engineer, 1914	Corvallis, Ore.	Educ. gr.	707 Addison-p
Wents, John Henry, Jr.	Fullerton	LD 107+3	118 Toyon-*1855*
Wentworth, Brandon	Boston, Mass.	Econ. 132+32	240 Branner-*1220*
Wenzel, Robert Nicolas A.B., Stanford, 1916, Engineer, 1917	Palo Alto	Chem. gr.	1112 Ramona-p
[5]van der Werker, Harrison	Everett, Wash.	Pre-Med. 89+68	228 Sequoia-*1841*
[4]Werner, Marion Beatrice A.B., California, 1925	San José	Hist. gr.	160 S. 8th, SJ-sj
Wessels, Arthur Lynn	Ukiah	LD 48+37	*229* Encina-*866*
West, Catherine C.	Riverside	LD 45+65	160 Roble-*818*
West, Cecil	Vancouver, B.C.	LD 37–9	44 Encina-*2052*
West, Charles E.	Palo Alto	LD 42–2	660 Palo Alto Ave.-p
West, Clarence C., Jr.	San Gabriel	Econ.133+142	Phi Delta The.-*1334*
West, Robert Pierce	La Jolla	LD 39+11	109 Encina-*2782*
[234]West, Ruth A.B., DePauw, 1921; A.M., Stanford, 1926	Muncie, Ind.	Germ. gr.	Manzanita-*2363*
[12]Westall, Lucy Adele A.B., Stanford, 1926	Sierra City	Bact.15·165+146	2418Wash.,SF-sf
Westerberg, Percy F.	Sacramento	Econ. 93·48+35	305 Lytton-*2472*
Westerfield, Wanda	Riverside	Math. 137+106	Gam.Phi Beta-*1337*
[4]Weston, Ralph Emerson A.B., Stanford, 1922	Stanford Univ.	Educ. gr.	203 Union
[5]Weymouth,Lawrence B.	SaltLakeCity,U.	Chem. 92+41	*237* Branner-*1972*
Wheat, Gilbert Collins A.B., Stanford, 1925	Palo Alto	Law gr.	535 Embarcadero-p
Wheatley, John Brooks	San Francisco	LD 50+34	316 Encina
Wheaton, George Sterett	San Francisco	S.Engr. 143+50	Alpha Delta Phi-*J*
Wheeler, Howard True B.S., California, 1920	Belmont	Span. gr.	Belmont-Box 42, b
Wheeler, Maynard C, A.B., Stanford, 1926	Tacoma, Wash.	Pre-Clin.135·94+139	PhiD.T.-*1334*
[5]Wheeler, Newton French	Monrovia	LD 86+18	Beta Theta Pi-*1335*
[23]Wheeler, Oliver P. A.B., Stanford, 1920	Palo Alto	Econ. gr.	223 Portola-p
Wheldon, Ned Ellsworth	Los Angeles	Pol.S. 91·45+25	115 Toyon-*2654*
Whiffen, Alice E. A.B., Stanford, 1926	San José	Engl.85·95+32	Gam.Phi Beta-*1337*
Whitaker, Douglas M. A.B., Stanford, 1926	Stanford Univ.	Zoöl. gr.	Pacific Grove-pg
[5]Whitaker, Louise	Stanford Univ.	Math. 145+147	Kap.Kap.Gam.-*995*
White, C. Bolton	Los Altos	Ed.G.A.132+101	LosAltos-Bx 73,p
[12]White, Douglas A.	Glendale	LD 40+2	Theta Delta Chi
White, Edward Arthur	Madera	LD 99+168	5 Cabrillo-*2043*
White, F. Katherine	Berkeley	LD 37·55+29	215 Roble-*2533*
[4]White, Frances Caroline A.B., Washington, 1922	Dillon, Mont.	Educ. gr.	Roble
[4]White, George Walter A.B., New Mexico, 1922	Carlsbad, N.M.	Educ. gr.	*323* Lytton-p
[12]White, James Henry, Jr.	Los Angeles	S.Engr. 23–11	432 Encina
[1]White, John Robert, III A.B., Stanford, 1926	Glendale	Econ. 40·144+61	Sigma Chi-*628*

White, Juanita Emilie — San Francisco — LD 45+33 — 362 Roble
[4]White, Lynn Townsend — San Anselmo — Psych.gr. — RFD 629, Mt. View-mv
A.B., Tennessee, 1897
[5]White, Lynn Townsend, Jr. — San Anselmo — Hist. 92+155 — Phi Gam. Delta-*1324*
White, Marian Adele — San Francisco — Bact. 90+60 — Gam. Phi Beta-*1035*
White, Merritt Alfred — Santa Ana — Pol. S. 81·35–6 — 505 Encina-*1189*
[4]White, Natalie Elizabeth — Chicago, Ill. — LD ‡ — Menlo Park-mp
[4]White, Roy Louis — Santa Fe, N.M. — Educ. gr. — 207 University
A.B., Indiana, 1915
[1]Whiteside, George K. — Woodbridge, Conn. — Econ. gr. — 721 Waverley-p
A.B., Yale, 1922
Whitfield, Glenn E. — Vancouver, Wash. — Law 181+219 — Delta Chi-*1304*
A.B., Stanford, 1926
[4]Whiting, John Martin — Mapleton, Utah — Educ. gr. — 460 Oberlin
A.B., Brigham Young, 1919
Whitney, Francis Edwin — Altadena — LD 86+40 — Zeta Psi-*B*
Whyte, James A. — Fresno — S.Engr.101·47+14 — 564 Encina-*1100*
[5]Wicher, Herbert W. — San Anselmo — Cl.Lit. 88+4 — 317 Sequoia-*1734*
Widaman, Wendell O. — Los Angeles — Law 183+109 — 232 Branner-*575*
A.B., Stanford, 1926
[4]Wiedeman, Gustave — Brooklyn, N.Y. — Phys. gr. — 221 Toyon-*1973*
B.S., New York, 1920
Wiedmann, Milton L. — Oakland — E.E. gr. — 222 Union-*1664*
A.B., Stanford, 1925, Engineer, 1926
Wiggin, John Louis — Bombay, India — LD 80–2 — Alpha Tau Omega-*1384*
[15]Wight, Griffith — Redwood City — Law gr. — RC-RFD 15, rc
A.B., Stanford, 1926
Wight, Roland Henry — Mayfield — C.E.143+148 — Matadero-Box 246, p
[24]Wight, Vernon Jerome — San Diego — LD 10–2 — 305 Lytton-*2115*
Wilbur, Elizabeth L. — Stanford Univ. — Hist. 45·88+52 — Al.Omicron Pi-*854*
[5]Wilbur, Leonard Fisk — Washington, D.C. — LD 98+174 — Alpha Kap.Lamb.-*658*
Wilburn, Dorin S. — Condon, Ore. — LD 45+8 — 446 Hamilton-p
[4]Wiley, Will E. — Lodi — Educ. gr. — 511 Amherst
A.B., State College of Washington, 1920; A.M., Stanford, 1925
Wilkey, Frank Wilson — San Francisco — LD 42–25 — 432 Encina
Wilkinson, Wayne — Los Angeles — Econ. gr. — 314 Union
B.S., Southern California, 1925
Willard, Oliver M. — San Francisco — Soc.S. 105+47 — 146 Toyon
Willett, Eleanor Marian — Long Beach — Math. 100·42+66 — 228 Roble-*1215*
[4]Williams, Alta — Long Beach — Psych. gr. — 1035 Bryant-*1142*
A.B., Stanford, 1924
Williams, Byron D. — Los Angeles — Law 183+95 — 136 Toyon-*661*
A.B., Stanford, 1926
[23]Williams, Dorothy Evelyn — San Francisco — Hist. gr. — Pi Beta Phi-*1332*
A.B., Stanford, 1925
[1]Williams, Elizabeth M. — Palo Alto — LD 106+32 — Kap. Al. Theta-*1336*
Williams, Evelyn — Glendora — Math. gr. — Manzanita-*2714*
A.B., Pomona, 1925; A.M., Stanford, 1926
Williams, Fleta Hazel — San Francisco — Med. gr. — 2186 California, SF-sf
A.B., Stanford, 1920, A.M., 1925
Williams, George Chase — Marshfield, Ore. — LD 45+30 — 226 Encina-*1966*
[1]Williams, George H. — Pasadena — Hist. gr. — 8 Dolores
A.B., Michigan, 1924
Williams, Gordon Harry — Quincy, Ill. — Engl. 155+12 — Alpha Delta Phi-*J*
[18]Williams, Grace M. — Madera — LD 30+33 — Roble-*2016*

[1]Williams, Gwladys L.	Berkeley	Span. gr.	Manzanita
A.B., California, 1921, A.M., 1922			
Williams, Hal St. Clair	Los Angeles	Econ. 115+26	250 Branner-*1097*
[23]Williams, Jean L.	Ft.Leavenworth,Kans.	LD 72–9	Alpha Phi-*1387*
Williams, John Morris	Douglas, Ariz.	LD 37+3	304 Encina
[23]Williams, Joseph Hunt	Ross	LD 65–43	137 Toyon
[4]Williams, Lawrence Johnson	Orosi	Educ. gr.	211 Toyon
B.S., Washington, 1913, M.S., 1917			
[4]Williams, Louise	San Francisco	Fr. gr.	Menlo Park-mp
A.B., College of the Sacred Heart, 1925			
[5]Williams, Robert E.	Pasadena	Econ. 122+5	Beta Theta Pi-*1335*
Williams, Ruth	Selma	Engl. gr.	Pi Beta Phi-*1332*
B.J., Missouri, 1924			
Williams, Stephen	San Francisco	LD 48+64	45 Encina
Williams, W. Hope	Houston, Tex.	LD 87+43	Alpha Phi-*1387*
Williamson, David Arnold	Palo Alto	LD 46+4	552 Kellogg-p
Williamson, Gregory	San Francisco	LD 79+28	Alpha Delta Phi-*J*
[4]Williamson, Oscar B.	Sacramento	Educ. gr.	465 Ruthven
B.S., Oregon, 1923			
[23]Williamson, Vera Alberta	Hollywood	Hist. 110+31	Kap. Al. Theta-*1336*
[1]Williston, Preston Eugene	Gridley	LD sp. 72+35	*22* Jefferson, RC-rc
[12]Willits, John M.	Palo Alto	Psych. gr.	Willow Rd.-Box 684, p
A.B., Stanford, 1925			
Willson, Harold Orvis	Sunnyvale	Econ. 45·133+13	Sunnyvale-s
[5]Wilson, Albert	San Francisco	Bot. 146+52	545 Encina
[4]Wilson, Bert Felix	Mayfield	Educ. ‡	656 Bowdoin-*2616*
[12]Wilson, Catherine Newell	Los Angeles	LD 74+5	Kap. Alpha Theta-*1336*
Wilson, Charles Jasper, Jr.	Woodlake	Psych. 132–11	Theta D. Chi-*1828*
[23]Wilson, Clifford S.	Driggs, Idaho	Min. gr.	521 Channing-p
B.S., Utah, 1913, M.S., 1913			
[4]Wilson, Dorothea Margaret	Glendale	Engl.-P.Sp. gr.	38 Lasuen
A.B., California, Southern Branch, 1926			
Wilson, Dorothy Whedon	Yorba Linda	Educ. gr.	Chi Omega-*1386*
A.B., Stanford, 1923, A.M., 1926			
Wilson, Elwood J.	Manteca	LD 93+15	118 Toyon-*1501*
[2]Wilson, Ernest Howard	Palo Alto	LD 31–66	435 Tasso-p
[4]Wilson, Francis G.	San Antonio, Tex.	Pol.S. gr.	410 Kipling-p
A.B., Texas, 1923, A.M., 1924			
[12]Wilson, Fred O.	Phoenix, Ariz.	Law 90·71–*23*	*27* Alvarado-*1823*
[1]Wilson, Gerard	San José	E.E. gr.	562 Encina-*656*
A.B., Stanford, 1922			
Wilson, Harold Stoutland	San Diego	Pol.S. 45·46+38	426 Encina-*1827*
[5]Wilson, Jack West	Menlo Park	LD 47–12	Menlo Park
[5]Wilson, James Charles	Fresno	Soc.S.-Jn.23·129+35	110Tyn.-*1962*
Wilson, James Hood	Carmel	Econ. 148+4	Sigma Nu-*1385*
Wilson, John Cornell	San José	LD 101+20	Pacific Grove-pg
[4]Wilson, John Willard	Palo Alto	S.Educ. gr.	115 Alma-p
A.B., Colorado State Teachers College, 1925			
[5]Wilson, Louise Ede	Palo Alto	Span. 147+152	860 University-p
Wilson, Marjorie Edith	Los Angeles	Engl. 129+14	Pi Beta Phi-*1332*
[4]Wilson, Martel	Stockton	Hist.31·148–4	Sig. Al. Eps.-*1305*
Wilson, Robert Henry	Burlingame	LD 45·51+99	1557 Ralston, B-b
[4]Wilson, Ruth Eleanor	Hebron, Nebr.	Engl. gr.	10 Salvatierra
A.B., Stanford, 1923			
Wilt, James W.	Bakersfield	LD 87+3	*226* Toyon-*1126*

Wilton, Frank S.	Huntington Park	LD 41+6	120 Encina-*622*
[23]Wimmer, John D.	Indianapolis, Ind.	Hist. gr.	405 Kipling-p
A.B., Miami, 1919			
Windham, James B.	Long Beach	LD 33·71+10	Delta Kappa Eps.-*O*
[1]Windsor, Gerald P., Jr.	Los Angeles	LD 139–15	201 Branner-*1611*
Windt, Bernice	San Francisco	Phil. 180+154	244 Roble-*544*
A.B., Stanford, 1926			
[4]Winegardner, James Henry	Boise, Idaho	Educ. gr.	11 Lasuen
B.S., Idaho, 1921			
Wing, Frederic S.	Banning	LD 90+10	108 Branner-*1217*
Winger, Bert Z.	Colorado Springs, Colo.	Educ. gr.	650 Waverley-p
A.B., Colorado State Teachers College, 1919, A.M., 1923			
Winn, William Alma	Salt Lake City, U.	Zoöl. 59·129+81	252 Toyon-*919*
A.B., Stanford, 1926			
Winnek, Victor Charles	San Diego	Law 131+22	Sigma Nu-*1385*
[5]Winslow, Garth Douglas	Piedmont	Chem. 90+17	Al. Tau Omega-*1384*
[134]Winsor, Andrew Leon	Ogden, Utah	Psych. gr.	851 Lytton-p
A.B., Utah, 1920, A.M., 1921			
Winter, Max, Jr.	Los Angeles	LD 47+35	218 Encina-*568*
[12]Winter, William Ernst	Casper, Wyo.	Soc.S.-Jn. gr.	115 Alma-p
Graduate, U.S. Military Academy, 1923			
Winterbotham, E. Lindsey	Riverside	Law 134+155	219 Toyon-*1468*
[5]Winterburn, Joseph Charles	Sausalito	LD 88+27	Chi Psi-*1648*
Wiper, Tom	Bowbells, N.D.	Pre-Med. gr.	Pacific Grove-pg
A.B., Arizona, 1924			
[4]Wirt, Charlotte	Santa Rosa	Educ. gr.	671 Roble
A.B., Stanford, 1900			
Wise, Fred A.	Virginia City, Nev.	LD 90–1	Delta Tau Delta-*1363*
Wisely, Horace R.	Terre Haute, Ind.	Econ. gr.	317 Union-*374*
A.B., Stanford, 1925			
[1]Wittenberg, Beatrice H.	Palo Alto	Econ. 15·132+164	947 Webster-p
[2]Wittenberg, Howard E.	Palo Alto	Econ. gr.	947 Webster-p
A.B., Stanford, 1925			
Wittenberg, Mary Edna	Terre Haute, Ind.	LD 48+52	271 Roble-*595*
Wittenberg, Ralph K.	Terre Haute, Ind.	Law 173+94	317 Union-*595*
Woerner, Edna Ellen	Portland, Ore.	LD 43+43	161 Roble-*1072*
[34]Woerner, Louis P.	San Francisco	Germ. gr.	1265 Eddy, SF-sf
A.B., St. Mary's, 1923			
Wold, Lester Thompson	Pasadena	Law 88·88+13	Chi Psi-*1648*
[4]Wolf, Carl Brandt	Eagle Rock	Bot. gr.	643 High-p
A.B., Occidental, 1926			
Wolf, Paul Theodore	San Francisco	Law gr.	529 Encina-*704*
A.B., Stanford, 1925			
Wolf, Willis Carlyle	San Bernardino	LD 91+39	Kappa Sigma-*1326*
Wolfe, Franklin DeKalb, Jr.	Fresno	LD 103–8	Sigma Nu-*1385*
[234]Wolfe, Reese	Berkeley	LD 43·30+9	136 Encina
Wolverton, Charles Waldo	Palo Alto	LD 29+11	PaloAlto-RR1,Bx170,p
[4]Wong, Alfred K.	Shanghai, China	Chem. ‡	Chinese Club-*11*
[5]Wong, Hung Chau	Canton, China	Chem. gr.	Chinese Club-*11*
A.B., Stanford, 1925, Engineer, 1925			
Wood, Calvin Deloss	Hollywood	LD 45+26	337 Encina-*1967*
[5]Wood, David Alvra	Gooding, Idaho	Chem. gr.	222 Sequoia-*1293*
A.B., Stanford, 1926			
Wood, Dennistoun, Jr.	Palo Alto	Chem. 143+257	809 Lincoln-p
[1]Wood, Francis H.	Spencer, Idaho	LD 74–37	Phi Kappa Psi-*1333*
[1]Wood, Henry Carroll	Palo Alto	M.E. 102–16	257 Byron-p

Wood, Ira Eaton	San José	LD 83+128	525 S. 6th, SJ-sj
[4]Wood, Jessie Shirley	Merced	Math. 15·126+139	244 Roble-*1386*
Wood, Lucian F.	Niles, Mich.	LD 49+32	105 Encina-*2582*
Wood, Margaret Louise	Campbell	LD 93+148	115 Roble
Wood, N. Marian A.B., Stanford, 1926	Los Angeles	Soc.S. 135·79+50	Gam.Phi B.-*1337*
[4]Wood, Ruth Lillian A.B., San José State Teachers College, 1924	San José	Educ.gr. *322*	E.SanSalvador,SJ-sj
[12]Wood, Walter Jordan	Whittier	LD 97+21	Al. Tau Omega-*1384*
[4]Woodard, Ellen Styles A.B., Friends, 1926	Haviland, Kans.	Engl. gr.	Menlo Heights
[4]Woodard, Mary Ann A.B., Kansas, 1924	Tabor, Iowa	Educ. gr.	176 Roble-*2256*
[4]Woodard, Raymond C. A.B., Haverford, 1908	Haviland, Kans.	Educ. gr.	Menlo Heights
[12]Woodhead, Orton Clifford	Palo Alto	Econ. 90·71–29	415 Lytton-p
[4]Woods, James Alexander	Sacramento	LD ‡	280 California-*2487*
[1]Woodson, John T., Jr.	San Fernando	LD *7–22*	455 University-*701*
[1]Woodward, Charlotte Kathleen	Pt.Loma	Pol.S. 45·57+36	321 Roble
Woodward, F. Martin	Oakland	LD 45+31	332 Encina-*1514*
Wool, Fred Austen	San José	Law 139+137	112 Toyon-*I*
Woolf, Charles Harold	Tempe, Ariz.	LD 90+71	135 Branner-*2051*
[12]Wooll, Jack Harrison	San Francisco	LD 16–21	302 Encina-*703*
Woolsey, Karl Almond	San José	LD 81·51–15	522 Encina
Wooster, Ruth Constance	Cupertino	Chem. 90·45+39	238 Roble
[12]Worden, John Bairsto	San Francisco	M.E. 149–10	Theta Chi-*1383*
Worden, Richard Carl	San José	LD 59+21	112 Toyon-*I*
[5]Work, Thomas Albert	Pacific Grove	LD 123+128	MP-RFD,Box 45,mp
Worswick, Mildred	San José	Soc.S. 157+51	118 Roble-*1944*
Worthington, William	Los Gatos	LD 67+19	Delta Upsilon-*1353*
Wright, Arthur C. A.B., Stanford, 1926	Stanford Univ.	C.E. 90·100+55	Kappa Sigma-*1326*
Wright, Donald Richard	Pasadena	LD 45+30	424 Encina-*2148*
[23]Wright, Editha Florence	San Francisco	LD 30+16	317 Roble-*2804*
Wright, G. Theon	Honolulu, T.H.	Phil. 45·63+45	135 Toyon-*1732*
Wright, John Madden A.B., Stanford, 1925	Los Angeles	Med. gr. *2317*	Sacramento, SF-sf
Wright, Muirson C.	Oakland	LD 45+8	*223* Encina
[12]Wright, Norma Knowles	Los Angeles	Econ. 131+30	251 Roble-*22*
Wright, Phillip Edwards	Sausalito	Min. 141+87	Kappa Alpha-*1356*
Wright, Ralph Wesley A.B., Stanford. 1926	San José	Pre-Clin.112·112+58	PhiD.T.-*1334*
[1]Wright, Robert E.	Manila, P.I.	Hist. 176+56	519 Encina-*1156*
Wright, Selden Stuart	Stanford Univ.	LD 113–17	Phi Kappa Sigma-*1306*
[5]Wright, Wallace A.B., Dartmouth, 1919; A.M., Stanford, 1924	Stanford Univ.	Econ. gr.	10 Union
Wright, William Beatty A.B., Stanford, 1925	Stanford Univ.	Law gr.	Phi Kappa Sigma-*1306*
Wright, William Edward A.B., Stanford, 1924, J.D., 1926	Stockton	Law gr.	Theta Chi-*1383*
[2]Wright, William Quinby, Jr. A.B., Stanford, 1926	Sausalito	Chem. gr.	Kappa Alpha
[5]Wu, Chin Chuan A.B., Stanford, 1925, Engineer, 1926	Kiangyin, China	Chem. gr.	Chinese Club-*1130*
Wulff, H. Lee A.B., Stanford, 1926	San Diego	C.E. 90·98+46	405 Kipling-p

[4]Wulff, Katherine L.	Reedley	Educ. ‡	Roble
[5]Wulfing, Gretchen	Hollywood	Educ. 67·96+149	247 Roble-*1161*
[12]Wyatt, Horace Graham A.B., Oxford, 1902, A.M., 1910	Palo Alto	Psych. gr.	1501 Stanford-*1768*
[2]Wylie, Maurice M.	Denver, Colo.	Econ. 14·130+18	131 Lytton
[4]Wylie, Maurine Quinn A.B., Colorado, 1924	San Bernardino	Educ. gr.	106 Roble
[1]Wyman, Frances Marie	Glendale	Engl. 94+0	Delta Delta Delta
Wynn, Carol Glenn	Pasadena	LD 60+51	Phi Delta Theta-*1334*
[4]Wynne, Margaret Ogier A.B., Stanford, 1908	Stockton	Zoöl. gr.	Pacific Grove-pg
Yasuda, Tadao	Hiroshima, Japan	Econ. 90·45+30	Japanese Club-*598*
[23]Yeager, Lee David	Grand Junction, Colo.	LD 14–9	434 Encina
[5]Yearian, Alberta	Hollister	Math. 90·51+54	270 Roble-*2583*
Yeatman, Robert M.	Los Angeles	Phys. 104·53+81	303 Sequoia
[2]Yerakis, John S. A.B., California, 1923	Como, W. Australia	Phil. gr.	181 Lytton
Yerington, Hollis May	Menlo Park	LD 45+29	Menlo Park-mp
Yoakum, Frank B.	Los Angeles	Law 131+33	Kappa Alpha-*1356*
[4]Young, Alfred Combs B.S., Kentucky, 1915	Fresno	S.Educ. gr.	480 S. 6th, SJ-sj
Young, Clarence Whitford A.B., Stanford, 1926	Palo Alto	Psych. 43·143+141	*222* Fulton-p
Young, Edward Joseph	San Francisco	LD 50+65	117 Encina
Young, Elizabeth Maude A.B., Minnesota, 1923; A.M., Stanford, 1926	Minneapolis, Minn	Hist. gr.	Madroño-*2684*
Young, Evert Hale	Fair Oaks	Law 5·160+68	Phi Del. The.-*1334*
[4]Young, Harry Harrison A.B., Albion, 1912, A.M., 1913	Fullerton	Educ. gr.	312 Toyon
Young, H. Mark	San Diego	LD 58–10	Pacific Grove-pg
Young, Ralph E.	Salt Lake City, Utah	LD 69–3	Delta Kappa Epsilon-*O*
Young, Ralph M.	San Diego	Econ. 120·49+22	138 Toyon-*2174*
[12]Youngreen, Donald Radford	Upper Lake	LD 25–27	423 Encina
[4]Younkin, Daniel G. B.S., Arizona, 1924	Superior, Ariz.	Educ. gr.	Mayfield-*2577*
[4]Younkin, Fay Lucile	Superior, Ariz.	Educ. ‡	Mayfield-*2577*
Yu, Lih-Chi	Anhwei, China	Math. 135·45+2	Chinese Club-*1492*
[4]Zabel, Amanda Louise A.B., North Dakota, 1916	Huntington Beach	S.Educ. gr.	182 Roble
Zaches, John A.	Monterey	Econ. 165+0	122 Toyon-*1061*
[1]Zahner, Carl John	Palo Alto	LD sp. 24–32	318 Lincoln-p
[4]Zeller, Madge Crowder A.B., San José State Teachers College, 1926	San José	Educ.gr. 170	E.SanSalvador,SJ-sj
[12]Zener, Clarence M. A.B., Stanford, 1926	Vincennes, Ind.	Math.33·148+132	133Branner-*1491*
Zieber, Fred H.	Palo Alto	LD 93+67	224 Toyon
Zieber, Roscoe Lee A.B., Stanford, 1925	Palo Alto	Med. gr.	2402 California, SF-sf
[5]Ziller, Madeline Veronica A.B., Stanford, 1926	Cloverdale	S.Educ. gr.	13 Kingscote-*1131*
Zipfel, Charles Martyn	Half Moon Bay	Hist. 90·48+21	316 Sequoia
[5]Zitkowski, Frederick August	Denver, Colo.	Law 7·93+148	111 Toyon-*2754*
Zombro, Fred Bicknell	Los Angeles	LD 44+40	321 Encina-*2009*
Zschokke, Elsbeth E. A.B., Stanford, 1926	Palo Alto	S.Biol. 186+74	526 Forest-p
Zucco, Gaetan Marc	San Francisco	C.E. 165+247	241 Branner

SUMMARIES

OFFICERS

Trustees		15
Academic Council—rank of		
Professor	129	
Associate Professor	56	
Assistant Professor	31	
Total (less 5 absent on leave)		211
Other Teaching and Administrative Officers—rank of		
Emeritus Professor	18	
Clinical Professor	11	
Associate Clinical Professor	14	
Assistant Professor	17	
Assistant Clinical Professor	13	
Lecturer	38	
Instructor	67	
Clinical Instructor	34	
Associate	8	
Administrative Officer	38	
Total (less 8 absent on leave)		250

Assistants	At Stanford	At San Francisco		
Instruction	29	50	129	
Research	22		22	
Technical	52		52	
Administration	102	26	128	
Library	40		40	
Total				371
Grand Total				847

STUDENTS

	Autumn	Winter	Spring	Summer	For the year
Graduates	553	554	578	615	1195
Undergraduates	2567	2514	2363	571	2992
Special Students	18	12	7	8	23
Total	3138	3080	2948	1194	4210

BY MAJOR SUBJECTS

	Graduate	Under-graduate	Special	Total
Anatomy	5	—	—	5
Bacteriology and Experimental Pathology	5	12	—	17
Biology—School of	12	13	—	25
Botany	9	4	—	13
Business—Graduate School of	15	—	—	15
Chemistry	45	73	1	119
Classical Literature	13	9	—	22
Economics	32	321	—	353
Education—School of	61	4	—	65
—Division of	308	53	—	361
—Graphic Art	10	19	—	29
Engineering—School of	2	24	—	26
—Civil	4	45	—	49
—Electrical	30	22	—	52
—Mechanical	6	59	1	66
English	77	78	—	155
Geology	23	30	—	53
Germanic Languages	7	3	—	10
History	70	102	—	172
Law	148	179	—	327
Lower Division	—	1633	19	1652
Mathematics	13	18	—	31
Medicine	126	*31	—	157
Military Science and Tactics	—	3	—	3
Mining and Metallurgy	23	23	1	47
Pharmacology	1	—	—	1
Philosophy	6	16	—	22
Physics	13	7	—	20
Physiology	2	2	—	4
Political Science	23	34	1	58
Pre-Clinical	—	24	—	24
Pre-Medical	3	39	—	42
Psychology	23	24	—	47
Public Health and Preventive Medicine	2	—	—	2
Romanic Languages—French	16	20	—	36
—Spanish	28	26	—	54
Social Sciences—School of	12	39	—	51
Zoölogy	22	34	—	56

* Including Chemistry majors, 2; Physiology majors, 1; Pre-Clinical majors, 24; Zoölogy majors, 4.

BY RESIDENCE—FOR THE YEAR

California	3301	Wyoming	9	Rhode Island	1
Oregon	119	New Mexico	9	Tennessee	1
Washington	91	Massachusetts	7	West Virginia	1
Arizona	64	South Dakota	7		
Utah	58	Wisconsin	6	China	34
Colorado	53	Arkansas	5	Hawaii	24
Idaho	50	Kentucky	5	Canada	20
Illinois	37	Louisiana	5	Japan	14
Montana	34	New Jersey	5	Philippine Islands	11
Texas	32	Connecticut	3	Mexico	6
Kansas	30	Florida	3	India	5
New York	30	Mississippi	3	South America	5
Nevada	27	Pennsylvania	3	Alaska	3
Ohio	27	Washington, D.C.	3	Belgium	3
Oklahoma	19	Alabama	2	France	2
Michigan	18	Georgia	2	Germany	2
Indiana	17	Maryland	2	Australia	1
Missouri	16	Vermont	2	Central America	1
Nebraska	16	Virginia	2	England	1
Minnesota	14	Delaware	1	Russia	1
Iowa	13	Maine	1	Sts. Settlement	1
North Dakota	10	North Carolina	1	Switzerland	1

STANFORD ALUMNI ASSOCIATION

CONSTITUTION

Adopted June 21, 1924

The Stanford Alumni Association is organized to promote the common interests of Stanford, its graduates and former students, as represented by the activities of the University.

ARTICLE I: MEMBERSHIP

SECTION 1.—Any person who has been a registered student of Stanford University is eligible for membership in this Association, and may become a member by payment of the annual dues; provided, however, that only members having bachelor's degrees from Stanford University shall be eligible to any elective office in this Association.

SEC. 2.—All members of the faculty of Stanford University are honorary members of this Association.

ARTICLE II: OFFICERS

SECTION 1.—The officers of this Association shall be the Alumni Council, consisting of nine elected members, three of whom shall be graduates of not less than ten years' standing; three of whom shall be graduates of not less than five years' standing; and three from any class as may be selected by the nominating committee, and who shall be elected for three-year terms with terms so arranged that but three members will retire in any one year; provided, however, that the members of the Advisory Board now in office, whose terms have not expired, and those elected in June, 1924, shall remain in office for the term for which they have originally been elected; one representative, elected by each graduating class, whose term shall be one year after graduation; and one representative from each local alumni club now organized or which may be hereafter organized with the approval of the Association and having a membership in good standing of at least one hundred graduates or former students, and for each additional one hundred like members in good standing the alumni club shall be entitled to one additional representative. The University Alumni Secretary shall be *ex officio* a member of the Alumni Council.

The club representatives shall be elected annually by the respective clubs.

On or before June 15 of each year, the several clubs shall furnish the secretary of the Alumni Association with the name of the representative or representatives chosen for the year beginning September 1.

SEC. 2.—The Alumni Council shall have general charge of all the affairs of the Alumni Association and the management of all its funds and properties. It shall have full power, and it shall be its duty to carry out the purposes of the Association according to the articles of the Association.

SEC. 3.—The Alumni Council shall elect: (1) a President; (2) a Vice-President; (3) a Secretary-Treasurer; and (4) an Executive Committee. These officers shall be selected from, and the committee composed of, the

nine elected members of the Council and the University Alumni Secretary, and shall be elected annually at the first regular meeting of the Council.

ARTICLE III: DUTIES OF OFFICERS

SECTION 1.—It shall be the duty of the President to preside at all business meetings of the Association; to submit for the Alumni Council an annual report of the affairs of the Association; and to perform such other duties as usually belong to this office. The President shall be *ex officio* member of all committees.

SEC. 2.—It shall be the duty of the Vice-President to preside in the absence of the President, and to perform all other duties belonging to this office.

SEC. 3.—The Secretary-Treasurer shall keep the minutes of all meetings of the Association and of the Executive Committee; shall have the custody of all the books and papers; shall collect the fees and dues of members, and all moneys due or coming to the Association, and shall pay the same over to the bank or depositary of the Association. He shall disburse the funds of the Association under the direction of the Executive Committee. He shall keep the records and conduct the general correspondence of the Association, and make such reports to the Alumni Council as may be requested. He shall be *ex officio* member of all committees.

SEC. 4.—The Executive Committee shall have all the powers of the Alumni Council when the Council is not in session, unless the Alumni Council shall, by a vote of two-thirds of those present, reserve certain powers unto itself. It shall be the duty of the Executive Committee: (1) to regulate the finances of the Association; (2) to pay the Secretary-Treasurer an adequate salary for services performed; (3) to direct the publication of the *Stanford Illustrated Review,* employing the editorial staff and supervising the general policy of the *Review;* (4) to have the accounts of the Association audited at least once each year and report the audit to the Association; (5) to fill, for the unexpired term, all vacancies occurring by death, resignations, or otherwise; (6) to arrange for the program presented on any public occasion for or by the Association; (7) to perform such other duties as may be imposed upon it by the Council; (8) to attend to all the business of the Association not otherwise provided for in this constitution; (9) to canvass and secure recommendations from the local alumni clubs for candidates to be nominated for the Stanford National Board; (10) to appoint alumni members of the Board of Athletic Control, Union Board, or other boards or committees that the Alumni Association has authority to select, or desires to appoint; (11) to consult the alumni, undergraduates, faculty, and trustees, when it deems it advisable, in order to make recommendations regarding the welfare of the University and of the Alumni Association.

ARTICLE IV: DISTRICT DIVISIONS

SECTION 1.—In order to bring the local alumni clubs and the general Alumni Association into closer relationship, the territory covered by alumni clubs shall be divided into twenty-two districts by the Alumni Council, as follows: (1) The Pacific Northwest; (2) the Southwest; (3) Central Mountain States; (4) Middle West; (5) Lake Region; (6) New England; (7)

New York; (8) Middle Atlantic States; (9) the South; (10) Hawaiian and Philippine Islands; (11) Foreign Countries; and in California, a district corresponding with each Congressional district.

SEC. 2.—Each local organization shall be known as the Stanford Alumni Club of ————————————.

SEC. 3.—The name "Associated Stanford Alumni Clubs" shall be used at all district and national meetings of alumni clubs.

SEC. 4.—An annual meeting of each district shall be held at such time and such place as the officers of each district shall designate.

ARTICLE V: NOMINATIONS AND ELECTIONS

SECTION 1.—The February issue of the *Stanford Illustrated Review* shall give notice of the annual nomination and election of officers of this Association. Said notice shall contain the names of the incumbent officers, and shall indicate the holdover members of the Alumni Council, and shall contain in full the provisions of this constitution relating to nominations and elections.

SEC. 2.—The Executive Committee shall each year appoint a nominating committee of five members of the Council, at least three of whom shall not be members of the Executive Committee. The nominating committee shall make its report to the Executive Committee each year by the fifteenth day of March.

SEC. 3.—Nominations may be made also by petition. A nominating petition must be signed by at least fifty members of the Association and must be filed in the office of the Secretary-Treasurer on or before the first day of April of the year for which the nomination is made, and shall be valid only if the consent to such petition is endorsed thereon by the person in whose behalf such petition is filed.

SEC. 4.—On or before the fifteenth day of April of each year, the Secretary-Treasurer shall mail to every member of this Association whose dues for the current year have been paid, an official ballot containing all the nominations, with the addresses of the nominees and the number of proposers of each, and said ballot shall be published in the April issue of the *Stanford Illustrated Review;* provided, however, that where no contests occur, the Secretary-Treasurer shall be empowered to cast the ballot.

SEC. 5.—Officers shall be elected at an annual election to be held at Stanford University on Alumni Day, between the hours of 9 o'clock A.M. and 12 o'clock NOON. The Executive Committee shall have charge of the election. The elector may cast a written ballot in person, or by mail, addressed to the Secretary-Treasurer, marked "Ballot" and disclosing the sender's name, and enclosing a ballot in a plain envelope. Ballots so received shall be opened and cast only during the hours of election. The respective candidates receiving the highest number of votes shall be declared elected. A tie vote shall be decided by lot.

SEC. 6.—No one whose annual dues are in arrears for the current year shall be entitled to vote or to hold office.

ARTICLE VI: DUES

SECTION 1.—The dues of the Association shall be $3.00 per year for each member thereof, which amount shall include a subscription to the monthly alumni publication, *provided, however, that for a second member of a fam-*

ily living in a house in which there is already one full membership, the dues, not including a subscription to the monthly alumni publication shall be $1.50 per year.

SEC. 2.—A member, upon payment into the treasury of the sum of fifty dollars ($50.00), at any one time and for that purpose, shall be entitled to a life membership in this Association, including a life subscription to the monthly alumni publication, and shall not be liable for any further dues, *provided, however, that for a second member of a family living in a house in which there is already one full life membership, the life membership dues, not including a life subscription to the monthly alumni publication, shall be $25.00.*

SEC. 3.—All members who, prior to May, 1908, have paid $5.00, shall, if they desire, be exempt from further dues.

ARTICLE VII: FUNDS

SECTION 1.—The receipts from dues and from miscellaneous sources, and the interest from life memberships, shall be known as the current fund and shall be used for the current expenses of the Association.

SEC. 2.—At the end of each current year, or at prior time if so directed by the Executive Committee, all sums in the current fund in excess of two thousand dollars shall be transferred to the reserve fund. All sums thus transferred from the current fund to the reserve fund shall be deposited in trust with the Board of Trustees of Stanford University, to be invested.

The income earned by the reserve fund may be withdrawn from time to time as directed by the Alumni Council, to be used for the purposes of the current fund; but there shall be no such withdrawal during any one year of an amount in excess of the earnings of the reserve fund for the year next preceding the year of such withdrawal.

SEC. 3.—At such time as the reserve fund shall exceed the principal amount of twenty-five thousand dollars, then all sums in excess of said principal sum of twenty-five thousand dollars at the end of each current year may be used for the purposes of Stanford University at such time and in such amounts as may be determined by the Alumni Council, with the advice and consent of the Board of Trustees of the University.

SEC. 4.—The Alumni Council may accept donations of funds for the promotion of the purposes of the Alumni Association, and shall apply such donated funds according to the conditions specified by the donor. Such funds shall be deposited in trust with the Board of Trustees of Stanford University, and may be withdrawn by the Alumni Council and expended only as specified in the trust created by the donor.

ARTICLE VIII: MEETINGS

SECTION 1.—Of the Association. The annual meetings shall be held on Alumni Day of each year, and other meetings of the Association shall be held at such time as the Executive Committee shall determine. Notice of meetings of the Association shall be mailed by the Secretary to all members of the Alumni Council and to all alumni clubs, at least thirty days prior to the time of holding the meeting. All meetings of the Alumni Association shall be held at Stanford University.

SEC. 2.—Of the Alumni Council. There shall be a spring meeting of the Alumni Council each year at Stanford University, the exact time to be de-

termined by the Executive Committee. Special meetings of the Alumni Council may be called at any time by the President or by a majority of the Executive Committee, but notice of such meetings and of the regular meeting must be mailed to each member at least four weeks in advance. In the case of special meetings, the Secretary-Treasurer shall specify the object or objects for which the meeting is called, and no business shall be transacted at such meeting other than that specified in the notification of the meeting.

SEC. 3.—Of the Executive Committee. The Executive Committee shall meet at regular stated intervals to be determined by the committee. Special meetings shall be held at the call of the President of the Alumni Council, or of a majority of the members of the committee, the place and purpose of the meeting to be designated in the notice of the meeting.

ARTICLE IX: QUORUM

A quorum shall consist, in the Association, of twenty-five members; in the Alumni Council, of twelve members; and in the Executive Committee, of five members.

ARTICLE X: AMENDMENTS

Any proposition to alter or amend these articles of Association must be proposed in writing, signed by one hundred members, and submitted to the members by mail in printed form by the Secretary-Treasurer, and voted upon in the same manner as are nominations for officers, and adopted by a majority vote.

ARTICLE XI: RULES OF ORDER

Robert's Rules of Order shall govern in all cases not provided for by the foregoing by-laws.

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